

## SAFETY DATA SHEET

### Recombinant Human PDGF-BB Protein

#### SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

**Product number/code:** huPDGF-His

**Product Name:** Recombinant Human Platelet-derived Growth Factor, (PDGF-BB)

**Chemical Name:** Not Applicable

**Registration number:** No registration number is given yet for this substance as it is for R&D use only

**Product use:** For research and development use only. Not for human or animal therapeutic or clinical diagnostic use.

**Manufacturer:**

COCOON BIOSCIENCE S.L

Parque Científico y Tecnológico Bizkaia, 802

48160 Derio, Vizcaya

Spain

#### SECTION 2- HAZARDS IDENTIFICATION

**GHS/CLP Classification**

**Physical state:** Not hazardous

**Health hazards:** Not hazardous

**Environmental hazards:** Not hazardous

**Additional information:** Not applicable

**Label elements:** Not applicable, as it is not a commercial product

**Other hazards**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

#### SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances which at their given concentration are considered to be hazardous to health. Ingredients are withheld as a trade secret, but are available to health professionals, ES employees and designated representatives in accordance with applicable provisions of 29 CFR 1910.1200(i)(1)(iv). We recommend handling all chemicals with caution.

**SECTION 4- FIRST AID MEASURES**

<b>Skin Contact:</b>	Remove contaminated clothing and shoes. Wash skin thoroughly with plenty of water. Immediate medical attention is not required.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check and remove contact lenses.
<b>Ingestion:</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Inhalation:</b>	Not expected to present a significant inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Notes to Physician:</b>	Treat symptomatically

**Most important symptoms and effects, both acute and delayed**

Not applicable

**Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5- FIREFIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical
<b>Unsuitable Extinguishing Media:</b>	No information available
<b>Auto Ignition Temperature:</b>	Not Applicable
<b>Advice for fire-fighters:</b>	Standard procedure for chemical fires
<b>Special hazards arising from the substance or mixture</b>	Not known

**SECTION 6- ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	Always wear recommended Personal Protective Equipment. Prevent contact with skin or eyes (see section 8).
<b>Environmental precautions:</b>	No special environmental precautions required.
<b>Methods for containment and cleaning up</b>	
Clean up with inert absorbent material and place in appropriate containers for disposal.	

**SECTION 7- HANDLING AND STORAGE**

<b>Handling:</b>	No special handling advice required. Use personal protective equipment as required.
<b>Storage:</b>	Store in properly labeled containers. Store ideally at -80° C (or -20°) for long term storage if in liquid format, and at 4°C if lyophilized.

## SECTION 8- PRECAUTIONS TO CONTROL EXPOSURE/PERSONEL PROTECTION

<b>Exposure Limits:</b>	Contains no substances with occupational exposure limit values.
<b>Engineering measures:</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye Protection:</b>	Avoid contact with eyes. Wear safety glasses with side shields.
<b>Skin Protection:</b>	Prevent contact with the skin as much as possible. Wear protective rubber gloves and lab coat.
<b>Respiratory Protection:</b>	Not required
<b>Hygiene Measures:</b>	Handle in accordance with good industrial hygiene and safety practices.
<b>Environmental exposure controls</b>	No special environmental precautions required

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear light-yellow liquid solution
<b>Odour:</b>	No data available
<b>pH:</b>	7.00-8.00
<b>Melting/Freezing Point:</b>	°C/°F – No data available
<b>Boiling Point:</b>	°C/°F – No data available
<b>Flash Point:</b>	°C/°F – No data available
<b>Auto-ignition Temperature:</b>	°C/°F – No data available
<b>Decomposition temperature:</b>	°C/°F – No data available
<b>Evaporation rate:</b>	No data available
<b>Upper explosion limit:</b>	Mixture has not been tested
<b>Lower explosion limit:</b>	Mixture has not been tested
<b>Vapour Pressure:</b>	Mixture has not been tested
<b>Relative density:</b>	Mixture has not been tested
<b>Specific gravity:</b>	No data
<b>Oxidizing Properties:</b>	No information available
<b>Water Solubility:</b>	No data available
<b>Partition coefficient:</b>	No data available
<b>Viscosity:</b>	No data
<b>Explosive properties:</b>	Mixture has not been tested
<b>Other information</b>	No data available

**SECTION 10- STABILITY AND REACTIVITY**

<b>Reactivity:</b>	None known
<b>Chemical Stability:</b>	Stable under normal conditions
<b>Possibility of hazardous reactions:</b>	Hazardous reaction has not been reported
<b>Conditions to avoid:</b>	No information available
<b>Hazardous decomposition products:</b>	No information available
<b>Incompatible Materials:</b>	No dangerous reaction known under conditions of normal use
<b>Hazardous polymerization:</b>	Not described

**SECTION 11- TOXICOLOGICAL INFORMATION**

There is no evidence available indicating acute toxicity.

**Principal Routes of Exposure**

<b>Skin corrosion/irritation:</b>	No information available
<b>Serious eye damage/irritation:</b>	No information available
<b>Respiratory or skin sensitization:</b>	No information available
<b>Specific target organ toxicity:</b>	No information available
<b>Carcinogenicity:</b>	No information available
<b>Germ cell mutagenicity:</b>	No information available
<b>Reproductive toxicity:</b>	No information available
<b>Aspiration Hazard:</b>	No information available

**SECTION 12- ECOLOGICAL INFORMATION**

<b>Eco-toxicity:</b>	contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
<b>Degradability:</b>	No information available
<b>Bioaccumulation:</b>	No bioaccumulation described
<b>Other adverse effects:</b>	No information available

## SECTION 13- WASTE DISPOSAL CONSIDERATIONS

### Waste disposal method

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal techniques for biowaste, as it might contain residues of baculovirus vector (polyhedron negative and therefore not resistant to environmental conditions). Disposal of this product, solutions and any by-products should comply with all local, regional and national regulations; and/or the European Waste Framework Directive.

## SECTION 14- TRANSPORT INFORMATION

<b>DOT/IATA:</b>	Not regulated in the meaning of transport regulations
<b>Proper shipping name:</b>	Not applicable
<b>Transport Hazard Class:</b>	This substance is considered to be non-hazardous for transport
<b>Packing group:</b>	Not applicable
<b>Environmental hazards:</b>	Not applicable
<b>Special precautions for user:</b>	Not applicable

## SECTION 15- OTHER INFORMATION

**Issuing Date:** November 2023

**Intended use of product:** Material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use.

**Disclaimer:** The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. It does not purport to be all inclusive and shall be used only as a guide for safe handling, use, processing, storage, transportation, disposal and release of the product. This is not considered as a warranty or quality specification. Algenex shall not be held liable for any damage resulting from the handling or from contact with the above product.