

Catalog Number: HZ-1308

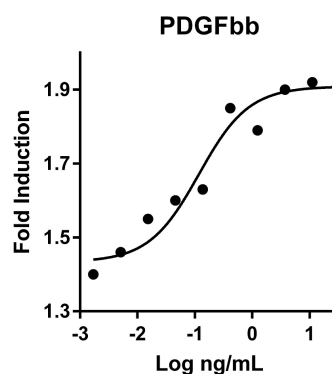
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	Human
Expression	HEK293
Activity	Typically ≤ 3 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	29 to 32 kDa, homodimer, glycosylated
Formulation	50mM Acetate pH 3.5 + 500mM NaCl, See Certificate of Analysis for details
Gene ID	5155



The activity was determined by the dose-dependent stimulation of the proliferation of 3T3 cells using the Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 10 mM HOAc containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage

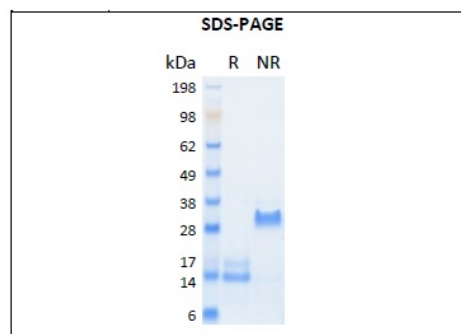
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human PDGFbb is a growth factor that promotes blood vessel formation, mitogenesis, chemotaxis, etc. The PDGF family members (four homodimers and one heterodimer) are secreted, disulfide-linked dimeric glycoproteins that regulate their cellular functions through interaction with PDGFR receptors. PDGFbb is synthesized, stored, and released by alpha granules of platelets. It is also known as PDGF-2, becaplermin, or GDGF. Dysregulation in PDGF signaling has been shown to be associated with tumorigenesis and progression of cancer. Recombinant PDGFbb is used in treatment of chronic ulcers and to speed healing in surgical procedures.

Synonyms

Platelet-Derived Growth Factor-BB, Glioma-derived growth factor (GDGF), Osteosarcoma-derived Growth Factor (ODGF) Platelet-Derived Growth FactorAA, Platelet-Derived Growth Factor AA,



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. R represents reducing conditions and NR represents non-reducing conditions.

For technical support and original validation data for this product please contact:

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