

PDGFB Protein, Human, Recombinant (His)

General Information

Synonyms:	platelet-derived growth factor beta polypeptide;SSV;c-sis;SIS;PDGF-2;IBGC5;PDGF2;platelet-derived growth factor β polypeptide
Protein Construction:	A DNA sequence encoding the human PDGFB (NP_148937.1) (Ser82-Thr190) was expressed with a polyhistidine tag at the N-terminus. Predicted N terminal: His
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P01127-2
Molecular Weight:	14.3 kDa (predicted)

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human PDGF-B His at 2 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind Human PDGFRBHis & hFc, the EC50 of Human PDGFRBHis & hFc is 9.0-40.0 ng/mL.
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/ μg of the protein as determined by the LAL method.
Formulation:	Supplied as sterile PBS, 25% Glycerol, pH 7.4.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store the product under sterile conditions at -20°C to -80°C . Samples are stable for up to 12 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Platelet-derived growth factor-B (PDGFB) is necessary for normal cardiovascular development. The administration of PDGFB alone normalized tumor vasculature by increasing periendothelial coverage and vascular functionality. Interestingly, this effect exerted by PDGFB was also observed in the presence of DAPT. So PDGFB is able to improve tumor vascularity and allows the anticancer action of DAPT in the tumor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481