

PDGF-B Active Protein | PDGFB active protein

PDGF-B Protein, Human, Recombinant (His Tag)

CATALOG #
AAA257897

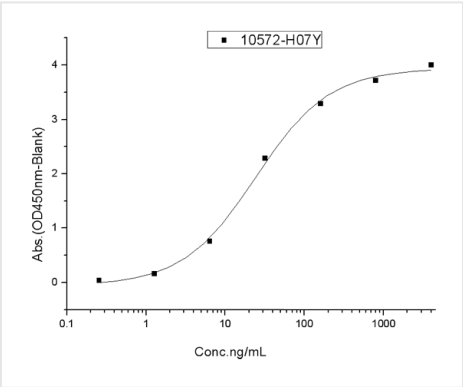
HOST
Yeast

PRODUCT SYNONYMS

PDGF-B; PDGF-B Protein; Human; Recombinant (His Tag); Human PDGF-B Protein (His Tag); c-sis Protein; IBGC5 Protein; PDGF-2 Protein; PDGF2 Protein; SIS Protein; SSV Protein; platelet-derived growth factor beta polypeptide; PDGFB active protein

PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, 25% Glycerol, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Ser82-Thr190
Species	Human
Predicted N Terminal	His
Tag	N-His
Protein Construction	A DNA sequence encoding the human PDGFB (NP_148937.1)(Ser82-Thr190) was expressed with a polyhistidine tag at the N-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	Measured by its binding ability in a functional ELISA. Immobilized Human PDGF-B His at 2ug/ml (100uL/well) can bind Human PDGFRBHis & hFc. The EC50 of Human PDGFRBHis & hFc is 9.0-40.0ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized Human PDGF-B His at 2 ug/ml (100 ul/well) can bind Human PDGFRBHis & hFc, the EC50 of Human PDGFRBHis & hFc is 9.0-40.0 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for PDGFB active 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15451786
NCBI GeneID	5155
NCBI Accession #	NP_148937.1
NCBI GenBank Nucleotide #	NM_033016.2
UniProt Accession #	P01127; P78431; Q15354; Q6FHE7; Q9UF23; G3XAG8
Molecular Weight	27,283 Da
NCBI Official Full Name	platelet-derived growth factor subunit B isoform 2 preproprotein
NCBI Official Synonym Full Names	platelet-derived growth factor beta polypeptide
NCBI Official Symbol	PDGFB
NCBI Official Synonym Symbols	SIS; SSV; PDGF2; c-sis; PDGF-2
NCBI Protein Information	platelet-derived growth factor subunit B; becapermin; PDGF, B chain; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor 2; platelet-derived growth factor B chain; platelet-derived growth factor, beta polypeptide (oncogene SIS); platelet
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Gene Name	PDGFB
UniProt Synonym Gene Names	PDGF2; SIS; PDGF subunit B
UniProt Entry Name	PDGFB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.