

PDGFRB/CD140b Active Protein | PDGFRB active protein

Recombinant Human PDGFRB/CD140b Protein

CATALOG #
AAA281430

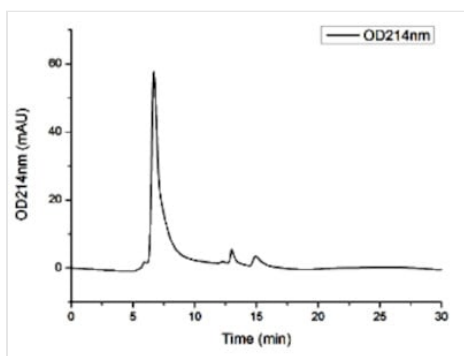
PRODUCT SYNONYMS

PDGFRB/CD140b; Recombinant Human PDGFRB/CD140b Protein; CD140B; IBGC4; IMF1; JTK12; KOGS; PDGFR; PDGFR-1; PDGFR1; PENTT; PDGFRB active protein

PRODUCT SPECIFICATIONS

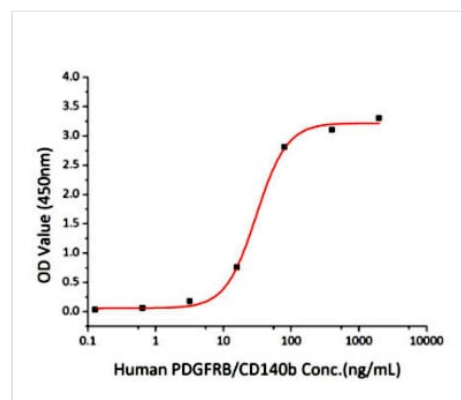
Purity/Purification	>90% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Source	HEK293 Cells
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Tags	C-hFc&His
Bio-Activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant Human PDGF-B at 2 ?g/mL (100 uL/well) can bind recombinant Human PDGFRB. The EC50 of Human PDGFRB is 30.48 ng/mL
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Tag	Fc, 6xHis tag at the C-terminus
Preparation and Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles

IMAGES



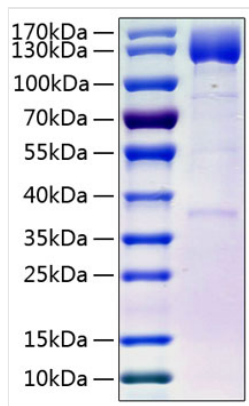
Application Data

The purity of Human PDGFRB/CD140b Protein (Cat. AAA281430) was greater than 95% as determined by SEC-HPLC.



Application Data

Immobilized recombinant Human PDGF-B at 2ug/mL (100 uL/well) can bind recombinant Human PDGFRB, the EC50 of Human PDGFRB is 30.48 ng/mL.



SDS-PAGE

Recombinant Human PDGFRB/CD140b Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-140 kDa.

ADDITIONAL INFORMATION

Related Product Information for PDGFRB active protein	Description: Recombinant Human PDGFRB/CD140b Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Leu33-Phe530 (Glu241Asp)) of human PDGFRB/CD140b (Accession #NP_002600.1) fused with an Fc, 6xHis tag at the C-terminus. Background: The protein is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia.
Product Categories/Family for PDGFRB active protein	Cytokines & Cytokine Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505683
NCBI GeneID	5159
NCBI Accession #	NP_002600.1
NCBI GenBank Nucleotide #	NP_002600.1
UniProt Accession #	P09619
NCBI Official Full Name	platelet-derived growth factor receptor beta isoform 1
NCBI Official Synonym Full Names	platelet derived growth factor receptor beta
NCBI Official Symbol	PDGFRB
NCBI Official Synonym Symbols	IMF1; KOGS; IBGC4; JTK12; PDGFR; PENTT; CD140B; PDGFR1; PDGFR-1
NCBI Protein Information	platelet-derived growth factor receptor beta
UniProt Protein Name	Platelet-derived growth factor receptor beta
UniProt Gene Name	PDGFRB
UniProt Synonym Gene Names	PDGFR; PDGFR1; PDGF-R-beta; PDGFR-beta; PDGFR-1
UniProt Entry Name	PGFRB_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.

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Online datasheet: <https://stage.aaabiotech.com/active-protein/pdgfrb-cd140b/281430>