

PDGFRA/CD140a Recombinant Protein | PDGFRA recombinant protein

Recombinant Human PDGFRA/CD140a Protein

CATALOG #
AAA281427

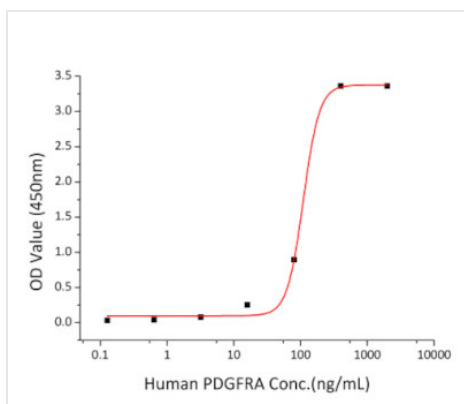
PRODUCT SYNONYMS

PDGFRA/CD140a; Recombinant Human PDGFRA/CD140a Protein; CD140A; GAS9; PDGFR-2; PDGFR2; RHEPDGFRA; PDGFRA recombinant protein

PRODUCT SPECIFICATIONS

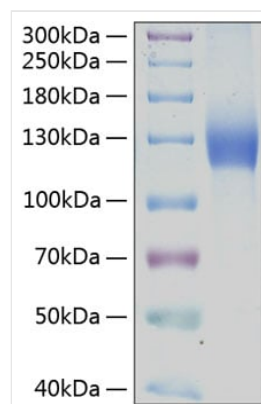
Purity/Purification	>97% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Source	HEK293 Cells
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Tags	C-hFc&His
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Tag	C-hFc&His
Bio-Activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant Human PDGF-B at 2 ug/mL (100 uL/well) can bind recombinant Human PDGFRA, the EC50 of Human PDGFRA is 109 ng/mL.
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

Immobilized recombinant Human PDGF-B at 2ug/mL (100uL/well) can bind recombinant Human PDGFRA, the EC50 of Human PDGFRA is 109 ng/mL.



SDS-PAGE

Recombinant Human PDGFRA/CD140a Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-130 kDa.

ADDITIONAL INFORMATION

Related Product Information for PDGFRA recombinant protein	Description: Recombinant Human PDGFRA/CD140a Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln24-Glu524) of human PDGFRA/CD140a (Accession #NP_006197.1) fused with an Fc, 6xHis tag at the C-terminus. Background: This 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. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.
Product Categories/Family for PDGFRA recombinant protein	Cytokines & Cytokine Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453870
NCBI GeneID	5156
NCBI Accession #	NP_006197.1
NCBI GenBank Nucleotide #	NP_006197.1
UniProt Accession #	P16234
NCBI Official Full Name	platelet-derived growth factor receptor alpha isoform 1
NCBI Official Synonym Full Names	platelet derived growth factor receptor alpha
NCBI Official Symbol	PDGFRA
NCBI Official Synonym Symbols	CD140A; PDGFR2; PDGFR-2
NCBI Protein Information	platelet-derived growth factor receptor alpha
UniProt Protein Name	Platelet-derived growth factor receptor alpha
UniProt Gene Name	PDGFRA
UniProt Synonym Gene Names	PDGFR2; RHEPDGFRA; PDGF-R-alpha; PDGFR-alpha; PDGFR-2
UniProt Entry Name	PGFRA_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.