Recombinant Human PDGFRB Protein (ECD) (Glu241Asp), Fc-His-tagged(C-ter)

Cat. No. PDGFRB-271H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFRB Protein (ECD) (Glu241Asp) with Fc-His tag (C-ter) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu33-Phe530 (Glu241Asp)
Description	The protein encoded by this gene 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 (PDGFB or PDGFD) or a heterodimer (PDGFA and PDGFB). This gene is essential for normal development of the cardiovascular system and aids in rearrangement of the actin cytoskeleton. 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 ETV6 gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq, Aug 2017]
Form	Powder

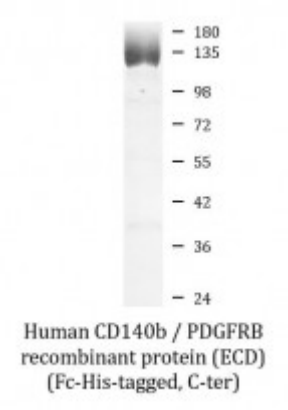
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Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 90% (by SDS-PAGE)
Applications	Binding, SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water.

GENE INFORMATION

Gene Name	PDGFRB platelet-derived growth factor receptor, beta polypeptide [Homo sapiens]
Official Symbol	PDGFRB
Synonyms	PDGFRB; platelet-derived growth factor receptor, beta polypeptide; PDGFR; platelet-derived growth factor receptor beta; CD140b; JTK12; PDGFR1; PDGFR-beta; PDGF-R-beta; CD140 antigen-like family member B; platelet-derived growth factor receptor 1; beta-type platelet-derived growth factor receptor; CD140B; PDGFR-1;
Gene ID	5159
mRNA Refseq	NM_002609

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Protein Refseq	NP_002600
MIM	173410
UniProt ID	P09619
SDS-PAGE	 Human CD140b / PDGFRB recombinant protein (ECD) (Fc-His-tagged, C-ter)

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