

Datasheet for ABIN7534023
PDGFRB Protein (Glu241Asp) (Fc Tag,His tag)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PDGFRB
Protein Characteristics:	Glu241Asp
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PDGFRB protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human PDGFR-beta/CD140b(E241D) Protein
Sequence:	LVTTPGPEL VLNVSSTFVL TCSGSAPVWV ERMSQEPPE MAKAQDGTFS SVLTLTNLTG LDTGEYFCTH NDSRGLETDE RKRLYIFVPD PTVGFLPNDA EELFIFLTEI TEITIPCRVT DPQLVVTLHE KKGDVLPVP YDHQRGFSGI FEDRSYICKT TIGDREVDSD AYYVYRLQVS SINVSNAVQ TVVRQGENIT LMCIVIGNEV VNFETYPRK ESGRLVEPVT DFLLDMPYHI RSILHPSAE LEDSGTYTCN VTESVNDHQD EKAINITVVE SGYVRLGGEV GTLQFAELHR SRTLQVFEA YPPPTVLWFK DNRTLGDSSA GEIALSTRNV SETRYVSELT LVRVKVAEAG HYTMRAFHEA AEVQLSFQLQ INVPVRVLEL SESHPSDGEQ TVRCRGRGMP QPNIIWSACR DLKRCPRELP PTLGNSSEE ESQLETNVTY WEEEQEFEV STLRLQHVDR PLSVRCTLRN AVGQDTQEVI VVPHSLPF
Specificity:	Leu33-Phe530(E241D)

Product Details

Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant Human PDGF-B at 2 µg/mL (100 µL/well) can bind recombinant Human PDGFRB. The EC ₅₀ of Human PDGFRB is 30.48 ng/mL.

Target Details

Target:	PDGFRB
Alternative Name:	PDGFR-beta/CD140b (PDGFRB Products)
Background:	<p>Description: 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.</p> <p>Name: CD140B,IBGC4,IMF1,JTK12,KOGS,PDGFR,PDGFR-1,PDGFR1,PENTT,PDGF Receptor beta,PDGFRB,PDGFR beta</p>
Gene ID:	5159
UniProt:	P09619
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Inositol Metabolic Process , Glycosaminoglycan Metabolic Process , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
---------	-------------

Handling

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.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	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.