

Platelet Derived Growth Factor Receptor Beta Recombinant Protein | PDGFRb recombinant protein

Recombinant Platelet Derived Growth Factor Receptor Beta (PDGFRb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA144283	E.coli	Mus musculus (Mouse)	Western Blot, SDS-Page

PRODUCT SYNONYMS

Platelet Derived Growth Factor Receptor Beta; Recombinant Platelet Derived Growth Factor Receptor Beta (PDGFRb); PDGFRb recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	VVFEAYPMPS VLWLKDNRTL GDSGAGELVL STRNMSETRY VSELILVRVK VSEAGYYTMR AFHEDDEVQL SFKLQVNVVPV RVLELSESHP ANGEQTIRCR GRGMPQPNVT WSTCRDLKRC PRKLSPTPLG NSSKEESQLE TNVTFWEEDQ EYEVVSTLRL RHVDQPLSVR CMLQNSMGGD SQEVTVPVPHS LPFKVVVISA ILALVVLTVI SLIILIMLWQ KKPRYEIRWK VIESVSSDGH EYIYVDP
Applicable Applications for PDGFRb recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Val337~Pro583
Tags	N-terminal His Tag
Subcellular Location	Membrane, Lysosome, Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	6.5
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Preparation and Storage

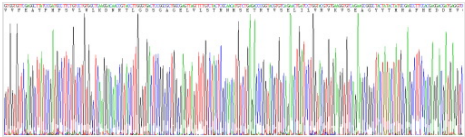
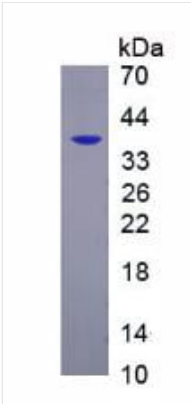
Storage:

Avoid repeated freeze/thaw cycles.
Store at 2-8°C for one month.
Aliquot and store at -80°C for 12 months.

Stability Test:

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

VVFE AYPMPVLWL
KDNRTLGDG AGELVLSTRN MSETRYVSEL ILVRVKVSEA GYYTMRAFHE
DDEVQLSFKL QVNVPRVLE LSEHPANGE QTIRCRGRM PQPNVTWSTC
RDLKRCPRKL SPTPLGNSSK EESQLETNVT FWEEDQEYEV VSTLRLRHVD
QPLSVRCMLQ NSMGDSQEV TVVPHSLPFK VVISAILAL VVLTVISLII
LIMLWQKKPR YEIRNKVIES VSSDGHEYIY VDP

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	29789275
NCBI GeneID	24629
NCBI Accession #	NP_113713.1
NCBI GenBank Nucleotide #	NM_031525.1
Molecular Weight	Predicted Molecular Mass: 32.0kDa Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	platelet-derived growth factor receptor beta
NCBI Official Synonym Full Names	platelet derived growth factor receptor, beta polypeptide
NCBI Official Symbol	Pdgfrb
NCBI Official Synonym Symbols	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_RAT

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/pdgfrb-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144283>