

PDGFRB active protein

Recombinant PDGFRB (557-1106) protein

CATALOG #
AAA60333

HOST
Baculovirus

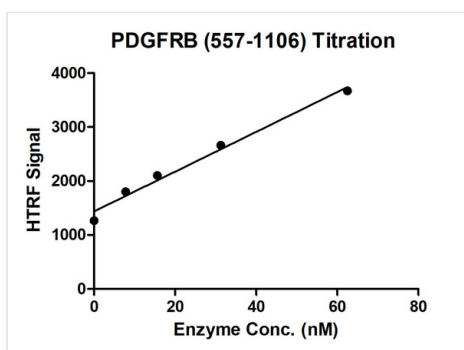
PRODUCT SYNONYMS

PDGFRB; Recombinant PDGFRB (557-1106) protein; Platelet Derived Growth Factor Receptor Beta; PDGFRB active protein

PRODUCT SPECIFICATIONS

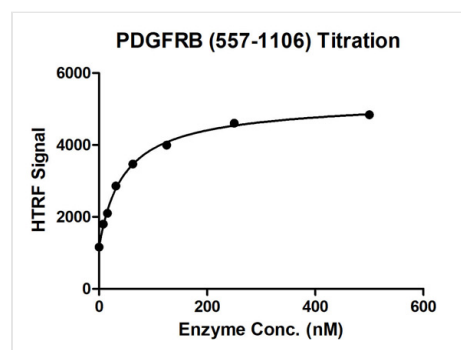
Host	Baculovirus
Purity/Purification	>50%
Form/Format	Recombinant PDGFRB (557-1106) protein is supplied in 25 mM HEPES-NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant PDGFRB (557-1106) protein that includes amino acids 557-1106 of human PDGFRB protein (accession number NP_002600.1) was expressed in a baculovirus expression system, and contains an N-terminal DYKDDDDK tag. The molecular weight of the protein is 63 kDa.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



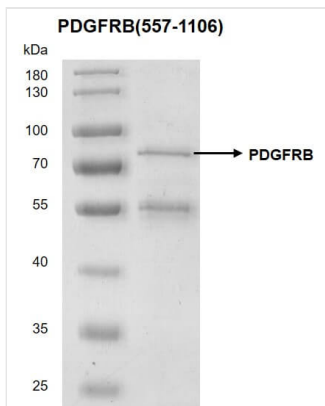
Bioactivity

HTRF Assay for Recombinant PDGFRB (557-1106) activity. 1 μ M TK substrate was incubated with different concentrations of PDGFRB (557-1106) protein in 10 μ l reaction system containing 1 $\times$ Enzymatic Buffer, 5 mM MgCl₂, 1 mM MnCl₂, 1 mM DTT, 5 nM SEB and 100 μ M ATP for 1 hour. Then 10 μ l detection reagents containing anti-TK antibody (1:2) and SA-XL665 (1:100) diluted with 1 $\times$ Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature.



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SDS-PAGE

Recombinant PDGFRB (557-1106) protein gel 10% SDS-PAGE gel with Coomassie blue staining MW: 63 kDa Purity: >50%

ADDITIONAL INFORMATION

Related Product Information for PDGFRB active protein	PDGFRB (Platelet Derived Growth Factor Receptor Beta), a tyrosine-protein kinase that acts as cell surface receptor for homodimeric PDGFB and PDGFD and for heterodimers formed by PDGFA and PDGFB, PDGFRB plays an essential role in the regulation of embryonic development, cell proliferation, survival, differentiation, chemotaxis and migration and plays an essential role in blood vessel development by promoting proliferation, migration and recruitment of pericytes and smooth muscle cells to endothelial cells. PDGFRB plays a role in the migration of vascular smooth muscle cells and the formation of neointima at vascular injury sites.
Product Categories/Family for PDGFRB active protein	Kinase; Recombinant Proteins

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/baculovirus-active-protein/pdgfrb/60333>