

Recombinant Mouse PDGFRα/CD140a Protein (Fc Tag)

Catalog No. PKSM041120

Note: Centrifuge before opening to ensure complete recovery of vial contents.

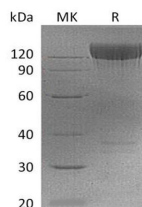
Description

Synonyms	Platelet-derived growth factor receptor alpha;PDGF-R-alpha;PDGFR-alpha;Alpha platelet-derived growth factor receptor;CD140 antigen-like family member A;Platelet-derived growth factor alpha receptor;CD140a;PDGFRA
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Leu25-Glu524
Accession	P26618
Calculated Molecular Weight	83.2 kDa
Observed molecular weight	120-150 kDa
Tag	C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

Platelet-derived growth factor receptors (PDGFR) are cell surface tyrosine kinase receptors for members of the platelet-derived growth factor (PDGF) family. The PDGF family consists of PDGF-A, -B, -C and -D, which form either homo- or heterodimers (PDGF-AA, -AB, -BB, -CC, -DD). The four PDGFs are inactive in their monomeric forms. PDGFs bind to the protein tyrosine kinase receptors PDGF receptor- α and - β . These two receptor isoforms dimerize upon binding the PDGF dimer, leading to three possible receptor combinations, namely - $\alpha\alpha$, - $\beta\beta$ and - $\alpha\beta$. PDGFR α and PDGFR β are members of the class III RTK family. Inappropriate PDGFR α and PDGFR β signaling has been linked to a number of proliferative disorders.