Recombinant Mouse PDGFR

Catalog No: CP12

Description	Recombinant Mouse Platelet-derived growth factor receptor alpha is produced by our Mammalian expression system and the target gene encoding Leu25-Glu524 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Platelet-derived growth factor receptor alpha; PDGF-R-alpha; Alpha platelet-derived growth factor receptor; Alpha-type platelet-derived growth factor receptor; CD140a; Pdgfra
Accession No.	P26618
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	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 -αα, -ββ and -αβ. PDGFRα and PDGFRβ are members of the class III RTK family. Inappropriate PDGFRα and PDGFRβ signaling has been linked to a number of proliferative disorders.

SDS-Page