

Product datasheet for **TP726835**

PDGF Receptor alpha (PDGFRA) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Platelet-derived Growth Factor Receptor/PDGF R α (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln24-Glu524
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Platelet-derived Growth Factor Receptor Alpha is produced by our Mammalian expression system and the target gene encoding Gln24-Glu524 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	5156
UniProt ID:	P16234
Summary:	Platelet-derived Growth Factor Receptor Alpha (PDGF R α) is an enzyme that belongs to the class III subfamily of receptor tyrosine kinases. It is a type I transmembrane glycoprotein, and can form homo- or hetero-dimeric receptors when engaged by dimers of the PDGF family of growth factors, PDGF R α is strongly expressed in oligodendrocyte, lung, skin and intestinal progenitor cells and induced by inflammation or growth in culture, but is lowly expressed in most mesenchymal cells. PDGF R α autophosphorylates upon dimerization, activating signaling cascades in PI-3kinase Ras-MAP kinase, and PLC- β pathways. PDGF R α has influence on local gradients of epithelially produced PDGF-AA or PDGF-CC during formation of the cranial, cardiac neural crest and interstitial kidney mesenchyme.



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