Recombinant Active Human PDGFR alpha (G680R) Mutant Protein, GST-tagged

Cat. No. PDGFRA-37H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDGFRα (G680R) (550-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	550-end a.a.
Description	This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.
Molecular Mass	Approx 95 kDa
Purity	> 90%
Stability	One year at -70 centigrade from data of shipment.

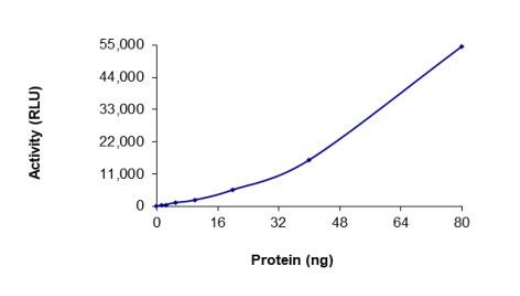
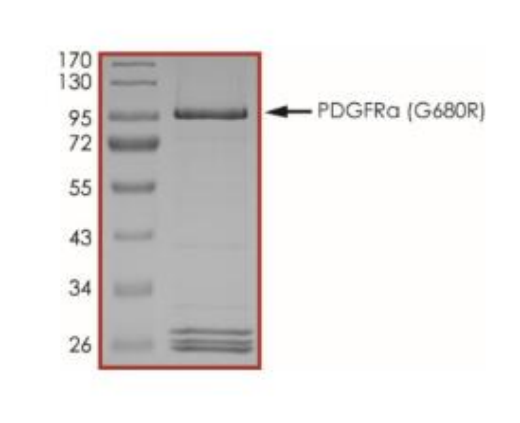
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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μL
Storage Buffer	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

Gene Name	PDGFRA platelet derived growth factor receptor alpha [Homo sapiens (human)]
Official Symbol	PDGFRA
Synonyms	PDGFRA; platelet derived growth factor receptor alpha; CD140A; PDGFR2; PDGFR-2; platelet-derived growth factor receptor alpha; CD140 antigen-like family member A; CD140a antigen; PDGF-R-alpha; alpha-type platelet-derived growth factor receptor; platelet-derived growth factor receptor 2; platelet-derived growth factor receptor, alpha polypeptide; EC 2.7.10.1
Gene ID	5156
mRNA Refseq	NM_006206
Protein Refseq	NP_006197
MIM	173490

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UniProt ID	P16234
Specific Activity	 The specific activity of PDGFRα (G680R) was determined to be 1.9 nmol/min/mg as per activity assay protocol.
Purity	 The purity of PDGFRα (G680R) was determined to be >90% by densitometry.

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