

## Recombinant Human PDGFRA Protein, DDK/HIS-tagged

Cat. No. PDGFRA-147H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human PDGFRA(Gln24-Ala528) fused with DDK/HIS tag at C-terminal was expressed in HEK293.

**Species** Human

**Source** HEK293

**ProteinLength** Gln24-Ala528

**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.

**Form** 1 x PBS, pH7.4, 10% glycerol.

**Molecular Mass** 59 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** PDGFRA platelet-derived growth factor receptor, alpha polypeptide [ Homo sapiens ]

**Official Symbol** PDGFRA

**Synonyms** PDGFRA; platelet-derived growth factor receptor, alpha polypeptide; platelet-derived growth factor receptor alpha; CD140a; PDGFR2; PDGFR-alpha; PDGF-R-alpha; CD140a antigen; PDGFRA/BCR fusion; CD140 antigen-like family member A; platelet-derived growth factor receptor 2; alpha-type platelet-derived growth factor receptor; rearranged-in-hypereosinophilia-platelet derived growth factor receptor alpha fusion protein; CD140A; PDGFR-2; RHEPDGFRA; MGC74795;

**Gene ID** 5156

**mRNA Refseq** NM\_006206

**Protein Refseq** NP\_006197

**MIM** 173490

**UniProt ID** P16234

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