

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for TP700116

## PDGF Receptor alpha (PDGFRA) (NM\_006206) Human Recombinant Protein

## **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of human platelet-derived growth factor receptor, alpha polypeptide (PDGFRA), with C-terminal DDK/His tag, expressed in human cells, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC600016, encoding the region (Gln24-Ala528) of human PDGFRA
Tag:	C-DDK/His
Predicted MW:	59 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP 006197</u>
Locus ID:	5156
UniProt ID:	<u>P16234</u>
RefSeq Size:	6574
Cytogenetics:	4q12
RefSeq ORF:	1584
Synonyms:	CD140A; PDGFR-2; PDGFR2



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

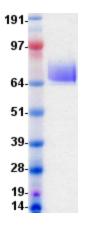
	PDGF Receptor alpha (PDGFRA) (NM_006206) Human Recombinant Protein – TP700116	
--	---	--

Summary: 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. [provided by RefSeq, Mar 2012]

Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

Protein Families:Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, TransmembraneProtein Pathways:Calcium signaling pathway, Colorectal cancer, Cytokine-cytokine receptor interaction,<br/>Endocytosis, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma,

#### **Product images:**



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US