

## Product datasheet for **AR39093PU-S**

### CD140a / PDGFRA (24-524, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CD140a / PDGFRA (24-524, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MQLSLPSILP NENEKVVQLN SSFSLRCFGE SEVSWQYPMS EEESSDVEIR NEENNSGLFV TVLEVSSASA AHTGLYTCYY NHTQTEENEL EGRHIYIYVP DPDVAFVPLG MTDYLVIVED DDSAIPCRT TDPETPVLH NSEGVPASY DSRQGFNGTF TVGPYICEAT VKGKKFQTIP FNVYALKATS ELDLEMEALK TVYKSGETIV VCAVFNNEV VDLQWTPGE VKGKGITMLE EIKVPSIKLV YTLTVPEATV KDSGDYECOA RQATREVKEM KKVTISVHEK GFIEIKPTFS QLEAVNLHEV KHFWEVFRAY PPPRISWLKN NLTLIENLTE ITTDVEKIQE IRYRSKLLI RAKEEDSGHY TIVAQNEDAV KSYTFELLTQ VPSSILDLDV DHHGSTGGQT VRCTAEGTPL PDIEWMICKD IKKCNNETSW TILANNVSNI ITEIHSRDRS TVEGRVTFK VEETIAVRCL AKNLLGAENR ELKLVAPTLR SE
Tag:	His-tag
Predicted MW:	58.4 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified Ig fraction Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified Ig fraction
Protein Description:	Recombinant human PDGFRA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001334756</u>
Locus ID:	5156



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<b>Cytogenetics:</b>	4q12
<b>Synonyms:</b>	CD140A; PDGFR-2; PDGFR2
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Colorectal cancer, Cytokine-cytokine receptor interaction, Endocytosis, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

**Product images:**