

Product datasheet for PH311740

PDGF Receptor alpha (PDGFRA) (NM_006206) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDGFRA MS Standard C13 and N15-labeled recombinant protein (NP_006197)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211740
Predicted MW:	122.67 kDa
Protein Sequence:	>RC211740 representing NM_006206 Red=Cloning site Green=Tags(s)

MGTSHPAFLVLGCLLTGLSLILCQLSLPSILPNENEKVVQLNSSFSLRCFGESEVSWQYPMSEEESSDVE
IRNEENNSGLFVTVLEVSSASAAHTGLYTCYYNHTQTEENELEGRHIYIYVDPDVAFVPLGMDYLVIV
EDDDSAIIPCRTTDPETPVTLHNSGVPASYSRQGFNGTFTVGPYICEATVKGKFKTIPFNVAALKA
TSELDLEMEALKTVYKSGETIVVTCVAVFNNEVVDLQWYTPGEVKGKGITMLEEIKVPSIKLVYTLVPEA
TVKDSGDYECARQATREVKEMKVTISVHEKGFIEIKPTFSQLEAVNLHEVKHFVVEVRAYPPRISWL
KNNLTLIENLTEITTDVEKIQEIRYRSKLLIRAKEEDSGHYTIVAQNEDAVKSYTFELLTQVPSSILD
VDDHHGSTGGQTVRCTAEGTLPDIEWMICKDIKKCNNETSWTILANNVSNIIITEIHSRDRSTVEGRVTF
AKVEETIAVRCLAKNLLGAENRELKLVAPTLRSELVAAAVALVLLVIVIIISLIVLVIWQKPRYEIRWR
VIESISPDGHEYIYVDPMLPYDSRWEFPRDGLVLRVLSGSAFGKVVVEGTAYGLSRSQPMKVAVKMLK
PTARSSEKQALMSELKIMTHLGPLNIVNLLGACTKSGPIYIITEYCFYGDLVNYLHKNRDSFLSHHPEK
PKKELDIFGLNPADESTRSYVILSFENNGDYMDMKQADTTQYVPLMERKEVSKYSIDIQRSLYDRPASYKK
KSMLDSEVKNLLSDDNSEGLTLLDLLSFTYQVARGMEFLASKNCVHRDLAARNVLLAQGKIVKICDFGLA
RDIMHDSNYVSKGSTFLPVKWMAPESIFDNLTYTLLSDVWSYGILLWEIFSLGGTPYPGMMVDSTFYNKIK
SGYRMAKPDHATSEVYEIMVKCWNSEPEKRPSFYHLSEIVENLLPGQYKKSYEKIHLDFLKSDHPAVARM
RVDSDNAYIGVYKNEEDKLDWEGGLDEQRLSADSGYIIPDPIDPVPEEEDLGKRNHRSSQTSEESAI
ETGSSSSTFIKREDETIEDIDMMDDIGIDSSDLVEDSFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

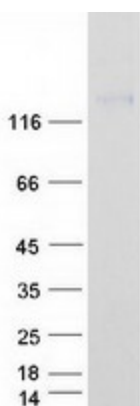
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006197
RefSeq Size:	6405
RefSeq ORF:	3267
Synonyms:	CD140A; PDGFR-2; PDGFR2
Locus ID:	5156
UniProt ID:	P16234
Cytogenetics:	4q12
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]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane
Protein Pathways:	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:



Coomassie blue staining of purified PDGFRA protein (Cat# [TP311740]). The protein was produced from HEK293T cells transfected with PDGFRA cDNA clone (Cat# [RC211740]) using MegaTran 2.0 (Cat# [TT210002]).