

## Product datasheet for PH314164

### PDGF AA (PDGFA) (NM\_033023) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PDGFA MS Standard C13 and N15-labeled recombinant protein (NP_148983)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214164
Predicted MW:	20.1 kDa
Protein Sequence:	>RC214164 representing NM_033023 Red=Cloning site Green=Tags(s)  MRTLACL LLLGCGYLAHVLAEEAEIPREVIERLARSQIHSIRD LQRLLEIDSVGSEDSLDTSLRAHGVHA TKHVPEKRPLPIRRKRSIEEAVPAVCKTRTVIYEIPRSQVDPTSANFLIWPPCVEVKRCTGCCNTSSVKC QPSRVHHRSVKVAKVEYVRKKPKLKEVQVRLEEHL EACATTSLNPDYREEDTDVR  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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
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:	<u>NP_148983</u>
RefSeq Size:	2749
RefSeq ORF:	588
Synonyms:	PDGF-A; PDGF1
Locus ID:	5154
UniProt ID:	<u>P04085</u>



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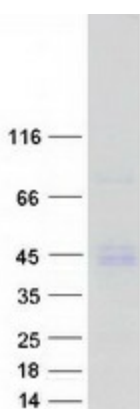
**Cytogenetics:** 7p22.3

**Summary:** This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

**Protein Families:** Druggable Genome

**Protein Pathways:** Cytokine-cytokine receptor interaction, 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 PDGFA protein (Cat# [TP314164]). The protein was produced from HEK293T cells transfected with PDGFA cDNA clone (Cat# [RC214164]) using MegaTran 2.0 (Cat# [TT210002]).