

Recombinant Human platelet-derived growth factor alpha polypeptide Protein, HA tagged

Cat. No. PDGFA-54H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFA Protein (87-211 aa) with N-HA tag was expressed in Yeast (animal free media and environment).
Species	Human
Source	Yeast
ProteinLength	87-196 a.a.
Description	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.
Tag	N-HA
Form	Lyophilized
Molecular Mass	15.4 kDa
AA Sequence	YPYDVPDYASIEEAVPAVCKTRTVIYEIPRSQVDPTSANFLIWPPCVEVKRCTGCCNT

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	SSVKCQPSRVHHRSVKVAKVEYVRKKPKLKEVQVRLEEHLACACATTSLNPDYREE DTGRPRESGKKRKRRLKPT
Endotoxin	< 0.2 EU/μg of protein as determined by the LAL method.
Purity	0.95
Storage	Stable for at least one year at -20 centigrade. Upon reconstitution PDGFA can be stored at +4 centigrade for 2 weeks or at -20 centigrade for 6 months.
Concentration	120 μg/μL
Storage Buffer	20 mM potassium phosphate, pH 7.0
Reconstitution	Spin the vial briefly, add distilled sterile water.

GENE INFORMATION

Gene Name	PDGFA platelet-derived growth factor alpha polypeptide [Homo sapiens (human)]
Official Symbol	PDGFA
Synonyms	PDGFA; platelet-derived growth factor alpha polypeptide; platelet-derived growth factor subunit A; PDGF A chain; PDGF A; PDGF1; platelet derived growth factor alpha chain; PDGF-1; PDGF A-chain; PDGF subunit A; platelet-derived growth factor A chain; platelet-derived growth factor alpha chain; platelet-derived growth factor alpha isoform 2 preproprotein; PDGF-A
Gene ID	5154
mRNA Refseq	NM_002607

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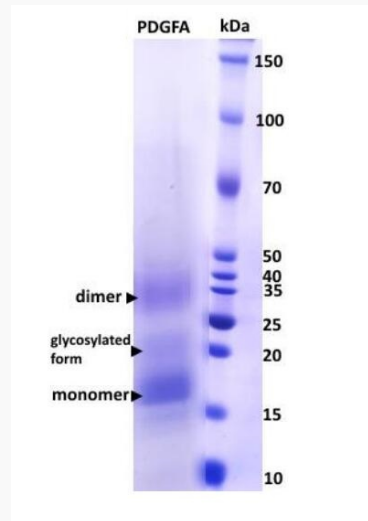
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Protein Refseq NP_002598

MIM 173430

UniProt ID P04085

SDS-PAGE



PDGFA was loaded and resolved on 8-22 % SDS-PAGE under reducing conditions and stained with Coomassie G-250.

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