

PDGFA active protein

Recombinant Human PDGFA

CATALOG #
AAA214228

HOST
E Coli

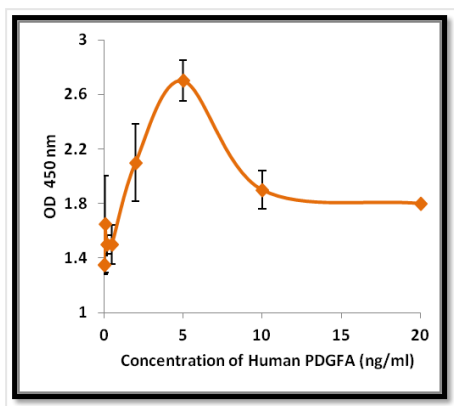
PRODUCT SYNONYMS

PDGFA; Recombinant Human PDGFA; PDGF subunit A; PDGF-1; Platelet-derived growth factor A chain; Platelet-derived growth factor alpha polypeptide; PDGF-AA; PDGF1; Recombinant Human Platelet-Derived Growth Factor Subunit A (PDGFA); PDGFA active protein

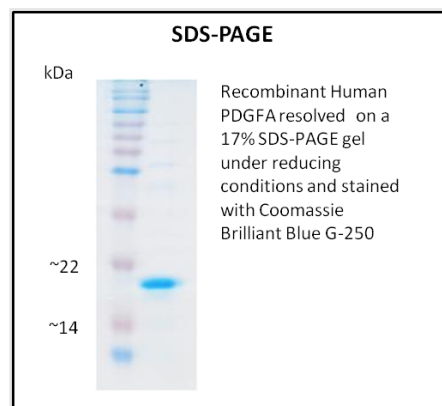
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in Tris and NaCl
Sequence Length	211
Bioactivity	The ED50 as determined by the dose-dependent proliferation of mouse embryonic fibroblast cells was found to be <= 5.0 ng/mL
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PDGFA active protein	The PDGF family is comprised of five different disulphide-linked dimers of four different polypeptide chains: A, B, C and D (PDGF-AA, PDGF-BB, PDGF-AB, PDGF-CC and PDGF-DD). Synthesized mainly by megakaryocytes, PDGFs are stored in the alpha granules of platelets from which they are released following platelet activation. PDGF receptors are expressed in fibroblasts, osteoblasts, chondroblasts, smooth muscle cells, glial cells and endothelial cells. Functioning as an autocrine and paracrine growth factor, PDGFs are involved in a number of biological processes that include but not limited to hyperplasia, chemotaxis, embryonic neuron development, wound healing and respiratory tubule epithelial cell development. Aberrant expression of PDGFs is observed with vascular proliferative diseases such as atherosclerosis. PDGFs regulate the synthesis of their own receptor and also influence the expression of membrane receptors for IL1, EGF, 5-Hydroxytryptamine, LDL and transferrin. Recombinant Human PDGFA is a disulfide-linked homodimer of two A chains.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77695917
NCBI GeneID	5154
NCBI Accession #	NP_002598.4
NCBI GenBank Nucleotide #	NP_002598.4
UniProt Accession #	P04085
Molecular Weight	14.5 kDa
NCBI Official Full Name	platelet-derived growth factor subunit A isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet derived growth factor subunit A
NCBI Official Symbol	PDGFA
NCBI Official Synonym Symbols	PDGF1; PDGF-A
NCBI Protein Information	platelet-derived growth factor subunit A
UniProt Protein Name	Platelet-derived growth factor subunit A
UniProt Gene Name	PDGFA
UniProt Synonym Gene Names	PDGF1; PDGF subunit A
UniProt Entry Name	PDGFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/pdgfa/214228>