

Recombinant Human PDGFA protein, GST-tagged

Cat. No. PDGFA-1608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDGFA protein (135-196 aa) with a GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	135-196 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.
Form	Powder
AA Sequence	TSSVKCQPSRVHHRSVKVKVAKVEYVRKKPKLKEVQVRLEEHLACACATTSLNPDYRE EDTDVR
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store for up to 12 months at -20 centigrade to -80 centigrade as lyophilized powder.

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Short-term storage: Store at 2-8 centigrade for (1-2 weeks).

Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Storage Buffer

The purified protein was Lyophilized from sterile PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.

Reconstitution

Reconstitute at 0.25 µg/µL in 200 µL sterile water for short-term storage.

Reconstitution with 200 µL 50% glycerol solution is recommended for longer term storage.

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name

PDGFA platelet derived growth factor subunit A [Homo sapiens (human)]

Official Symbol

PDGFA

Synonyms

PDGFA; platelet derived growth factor subunit A; PDGF1; PDGF-A; platelet-derived growth factor subunit A; PDGF A-chain; PDGF subunit A; platelet-derived growth factor A-chain; platelet-derived growth factor alpha chain; platelet-derived growth factor alpha polypeptide

Gene ID

5154

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mRNA Refseq	NM_002607
Protein Refseq	NP_002598
MIM	173430
UniProt ID	P04085

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