PDGFC Gekko Japonicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	PDGFC, Recombinant Protein
Full Product Name	Recombinant Gekko japonicus PDGFC protein (His tag)
Product Gene Name	PDGFC recombinant protein
Product Synonym Names	Fallotein; PDGF-C; Platelet derived growth factor C; SCDGF; Secretory growth factor like protein; Spinal cord derived growth factor; VEGF E; VEGF-E
Sequence	Asp23-Gly3 45
Host	E coli
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	39,065 Da
3D Structure	ModBase 3D Structure for A8WCC4
Species	Gekko japonicus
Tag	N-His
Endotoxin	<10EU/mg of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5mg/mL. Concentration is measured by UV-Vis.
Product Categories/Family for PDGFC recombinant protein	Proteins; Recombinant Proteins; Others; Cancer; Cardiovascular; Signal transduction; Stem cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PDGFC recombinant protein	The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines. This gene product appears to form only homodimers. It differs from the platelet-derived growth factor alpha and beta polypeptides in having an unusual N-terminal domain, the CUB domain. Alternatively spliced transcript variants have been found for this gene.
Other Notes	Small volumes of PDGFC recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PDGFC purchase	MBS2580926 is a recombinant protein targeting PDGFC. Also known as Recombinant Gekko japonicus PDGFC protein (His tag). Host: E coli.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDGFC. It may not necessarily be applicable to this product.

NCBI GI #	206557763

NCBI GeneID	0
NCBI Accession #	A8WCC4.1
UniProt Primary Accession #	A8WCC4
NCBI Official Full Name	Platelet-derived growth factor C
UniProt Protein Name	Platelet-derived growth factor C
Protein Family	Platelet-derived growth factor
UniProt Gene Name	PDGFC
UniProt Synonym Gene Names	PDGF-C; PDGFC latent form; PDGFC receptor-binding form
UniProt Entry Name	PDGFC_GECJA
UniProt Comments for PDGFC	Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen and chemoattractant for cells of mesenchymal origin. Required for normal skeleton formation during embryonic development. Required for normal skin morphogenesis during embryonic development. Plays an important role in wound healing, in angiogenesis and blood vessel development ().
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