

PDGFD Protein, Mouse, Recombinant (His & SUMO)

General Information

Synonyms:	Platelet-derived growth factor D; Spinal cord-derived growth factor B (SCDGF-B); Pdgfd; Scdgb; PDGF-D
Protein Construction:	24-370 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q925I7
Molecular Weight:	56.2 kDa (predicted)
AA Sequence:	TPQRASIKALRNANLRRDES NHLTDLYQREENIQVTSNGHVQSPRFPNSYPRNLLLTWWLRSQEKTRIQLSFD HQFGLLEEAENDICRYDFVEVEEVSESTVVRGRWCGHKEIPPRITSRTNQIKITFKSDDYFVAKPGFKIYYSFVED FQPEAASETNWESVTSSFSGVSYHSPSITDPTLTADALDKTVAEFDTVEDLLKHFNPVSWQDDLENLYLDTPH YRGRSYHDRKSKVDLRLNDDVKRYSCTPRNHSVNLREELKLTNAVFFPRCLLVQRCGGNCGCGTVNWKSC TCSSGKTVKKYHEVLKFEPGFHKRRGKAKNMALVDIQLDHHERCDCICSSRPPR

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Plays an important role in

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wound healing. Has oncogenic potential and can induce tumor formation. Induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis. Can initiate events that lead to a mesangial proliferative glomerulonephritis, including influx of monocytes and macrophages and production of extracellular matrix.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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