

Recombinant Mouse Platelet-derived growth factor D(Pdgfd)

Catalog No: #AP74751

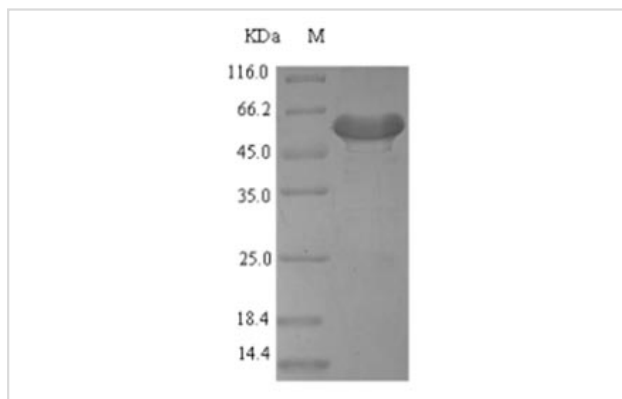
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Package Size: #AP74751-1 20ug #AP74751-2 100ug #AP74751-3 1mg

Description

Product Name	Recombinant Mouse Platelet-derived growth factor D(Pdgfd)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-370aaSequence Info:Full Length
Other Names	<p>Spinal cord-derived growth factor B</p> <p>Short name:</p> <p>SCDGF-B</p> <p>Cleaved into the following 2 chains:</p> <p>Platelet-derived growth factor D, latent form</p> <p>Short name:</p> <p>PDGFD latent form</p> <p>Platelet-derived growth factor D, receptor-binding form</p> <p>Short name:</p> <p>PDGFD receptor-binding form</p>
Accession No.	Q925I7
Uniprot	Q925I7
GeneID	71785;
Calculated MW	56.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	<p>TPQRASIKALRNANLRRDESNHLTDLYQREENIQVTSNGHVQSPRFPNSYPRNLLLTWWLRSQEKTRIQLSFD</p> <p>HQFGLEEAENDICRYDFVEVEEVSESSTVVRGRWCGHKEIPPRITSRTNQIKITFKSDDYFVAKPGFKIYYSFVE</p> <p>DFQPEAASETNWESVTSSFSGVSYHSPSITDPTLTADALDKTVAEFDTVEDLLKHFNVPVSWQDDLENLYLDTP</p> <p>HYGRGRSYHDRKSKVDLRLNDDVKRYSCTPRNHSVNLREELKLTNAVFFPRCLLVQRCGGNCGCGTVNWK</p> <p>CTCSSGKTVKKYHEVLKFEPGHFKRRGKAKNMALVDIQLDHHERCDCICSSRPPR</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

Images



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 wound healing (By similarity). 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 domain matrix.

References

"PDGF D, a novel protease-activated growth factor."LaRochelle W.J., Jeffers M., McDonald W.F., Chillakuru R.A., Giese N.A., Lokker N.A., Sullivan C., Boldog F.L., Yang M., Vernet C., Burgess C.E., Fernandez E., Deegler L.L., Rittman B., Shimkets J., Shimkets R.A., Rothberg J.M., Lichenstein H.S.Nat. Cell Biol. 3:517-521(2001)Research Topic:Others

Note: This product is for in vitro research use only