

Recombinant Mouse PDGF-BB Protein(Sumo Tag)

Catalog Number: GPEM0184

Note: Centrifuge before opening to ensure complete recovery of vial contents.

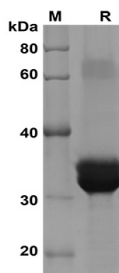
Description

Species	Mouse
Source	E.coli-derived Mouse PDGF-BB protein Ser82-Thr190, with an N-terminal Sumo
Calculated MW	24.8 kDa
Observed MW	33 kDa
Accession	P31240
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Mouse PDGF-BB proteins, 2µg/lane of Recombinant Mouse PDGF-BB proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 33 KD

Background

Platelet-derived growth factor-B (PDGFB) is necessary for normal cardiovascular development. The administration of PDGFB alone normalized tumor vasculature by increasing periendothelial coverage and vascular functionality. Interestingly, this effect exerted by PDGFB was also observed in the presence of DAPT. So PDGFB is able to improve tumor vascularity and allows the anticancer action of DAPT in the tumor.