

Human PDGFD Protein

Cat. No. PGD-HM101



Description

Source	Recombinant Human PDGFD Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Arg19-Arg370.
Accession	Q9GZP0-1
Molecular Weight	The protein has a predicted MW of 41.82 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Plateletderived growth factor D (PDGFD) is a new member of the PDGF family that binds the PDGFR β homodimer. PDGFD promotes the angiogenic capacity of EPCs, including proliferation, migration, adhesion and tube formation, and thereby contributes to angiogenesis.

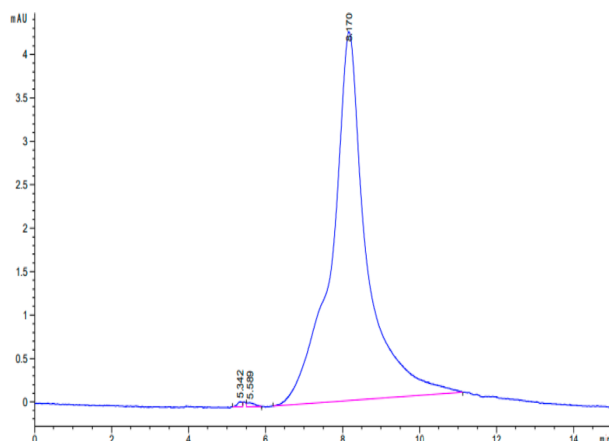
Assay Data

Tris-Bis PAGE



Human PDGFD on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human PDGFD is greater than 95% as determined by SEC-HPLC.