Mouse PGF Protein

Cat. No.   PGF-MM101

Description

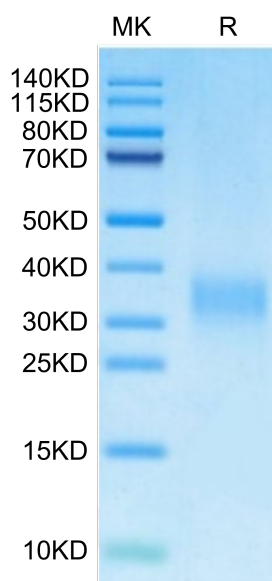|	
Source	Recombinant Mouse PGF Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Val19-Pro158.
Accession	P49764
Molecular Weight	The protein has a predicted MW of 16.99 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

Formulation	Lyophilized from 0.22µm 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.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Placental growth factor (PGF) is another member of the VEGF family of cytokines with pro-angiogenic and pro-inflammatory effects. Retinal inhibition of PGF in combination with VEGF-A prevents vascular leakage and CNV possibly via modulating their own expression in mononuclear phagocytes. PGF-related, optimized strategies to target inflammation-mediated angiogenesis may help to increase efficacy and reduce non-responders in the treatment of wet AMD patients.
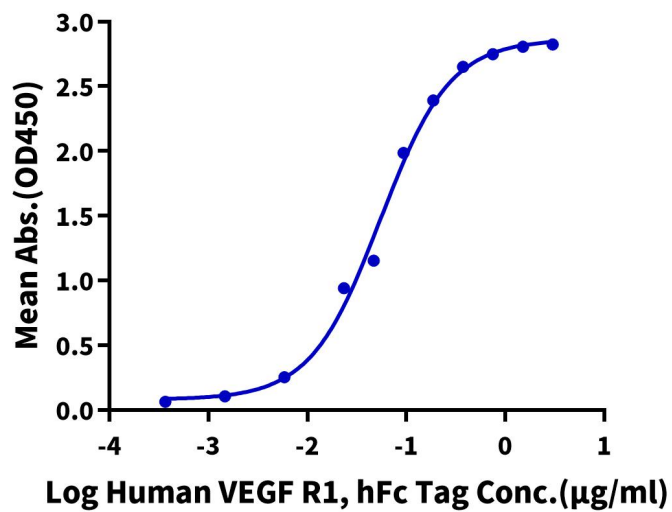
Assay Data

Bis-Tris PAGE

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

ELISA Data

KACTUS

Assay Data

Mouse PGF, His Tag ELISA

0.1μg Mouse PGF, His Tag Per Well

Immobilized Mouse PGF, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human VEGF R1, hFc Tag with the EC50 of 54.6ng/ml determined by ELISA (QC Test).