

Mouse PGF Protein

Cat. No. PGF-MM101



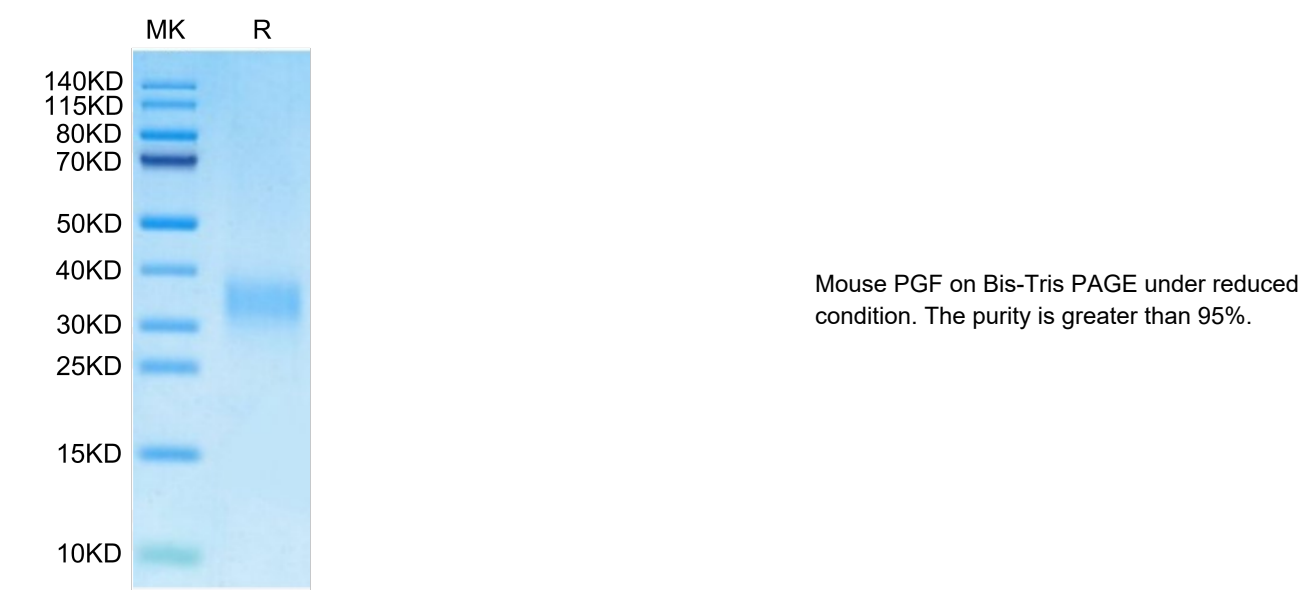
| Description | |
|------------------|---|
| Source | Recombinant Mouse PGF Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val19-Pro158. |
| Accession | P49764 |
| Molecular Weight | The protein has a predicted MW of 16.99 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU 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 | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| 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

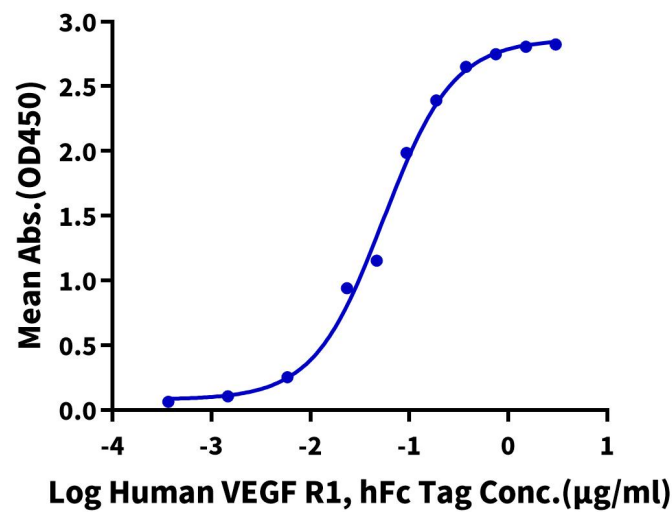
Bis-Tris PAGE



ELISA 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).