

Mouse GAS6 Protein

Cat. No. GAS-MM106



Description

Source	Recombinant Mouse GAS6 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val28-Pro674.
Accession	Q61592
Molecular Weight	The protein has a predicted MW of 73.09 kDa. Due to glycosylation, the protein migrates to 74-90 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

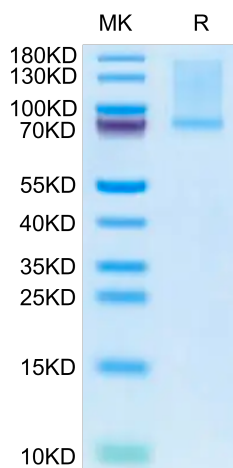
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -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

Growth arrest-specific 6, also known as Gas6, is a human gene encoding the Gas6 protein, which was originally found to be upregulated in growth-arrested fibroblasts. Gas6 is a member of the vitamin K-dependent family of proteins expressed in many human tissues and regulates several biological processes in cells, including proliferation, survival and migration, by binding to its receptors Tyro3, Axl and Mer (TAM).

Assay Data

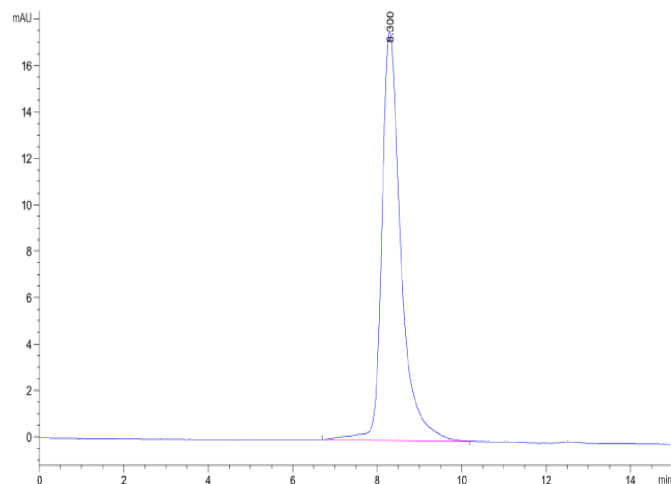
Tris-Bis PAGE



Mouse GAS6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

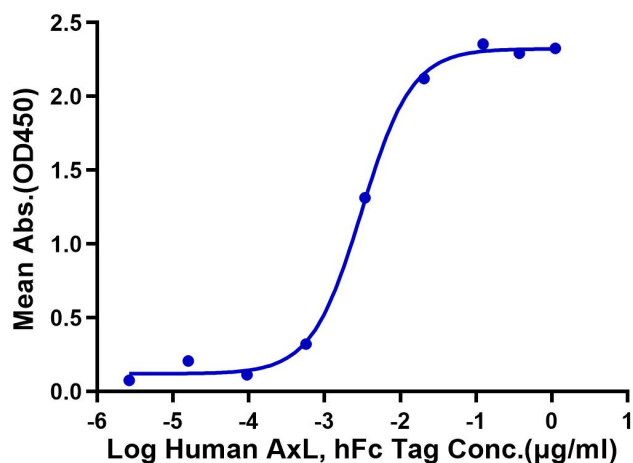
Assay Data



The purity of Mouse GAS6 is greater than 95% as determined by SEC-HPLC.

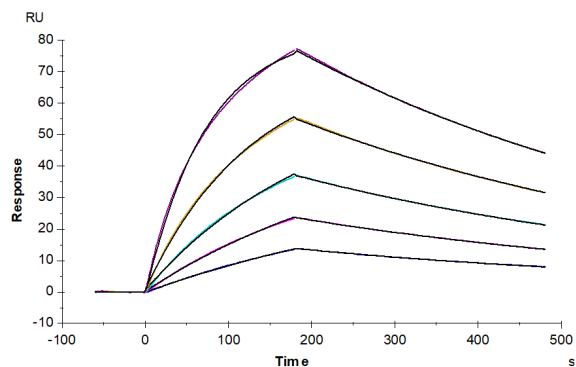
ELISA Data

Mouse GAS6, His Tag ELISA
0.5µg Mouse GAS6, His Tag Per Well



Immobilized Mouse GAS6, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human AxL, hFc Tag with the EC50 of 3.1ng/ml determined by ELISA (QC Test).

SPR Data



Mouse AxL, His Tag immobilized on CM5 Chip can bind Mouse GAS6, His Tag with an affinity constant of 15.62 nM as determined in SPR assay (Biacore T200) (Routine Test).