

Recombinant Mouse GAS-6 Protein

Catalog No.: RP02814 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	14456	Q61592

Tags

C-His

Synonyms

GAS6;AXLLG;AXSF

Product Information

Source	Purification
HEK293 cells	> 95% as determined by HPLC

Endotoxin

<1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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).

Basic Information

Description

Recombinant Mouse GAS-6 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val28-Pro674) of mouse GAS-6 (Accession #NP_062394.2) fused with a 6×His tag at the C-terminus.

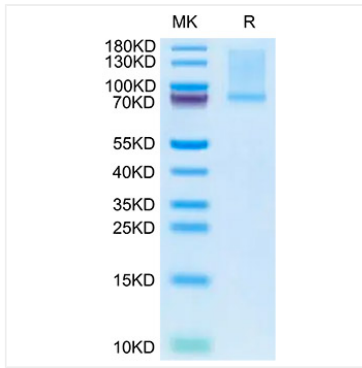
Bio-Activity

1. 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). 2. 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).

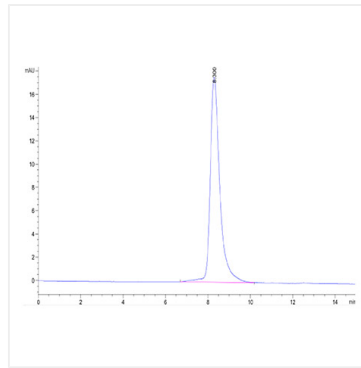
Storage

Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

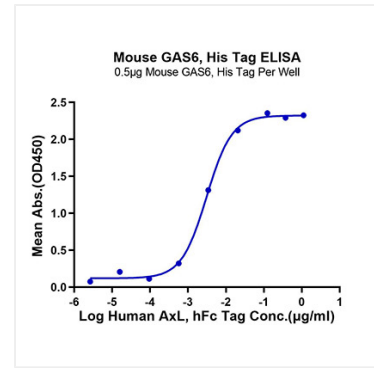
Validation Data



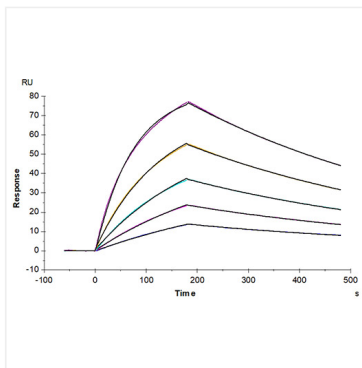
Recombinant Human VHL Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 30 kDa.



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



Immobilized Mouse GAS6, His Tag at 5µg/m l (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).



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).