Recombinant Mouse GAS-6 Protein

Catalog No.: RP02814

Sequence Information

Species
Mouse

Gene ID
14456

Swiss Prot
Q61592

Tags
C-His

Synonyms
GAS6,AXLLG,AXSF

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.≥ 95 % as determined by HPLC.

Calculated MW
73.09 kDa

Observed MW
74-90 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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).

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.

Activity
1.Immobilized Mouse GAS6, His Tag at 5μg/m l (100μl/well) on the plate. Dose response curve for Human AXL, hFc Tag with the EC_{50} 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).

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

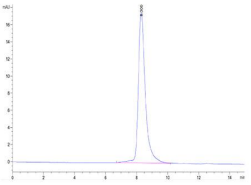
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

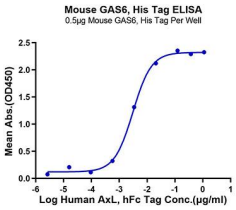
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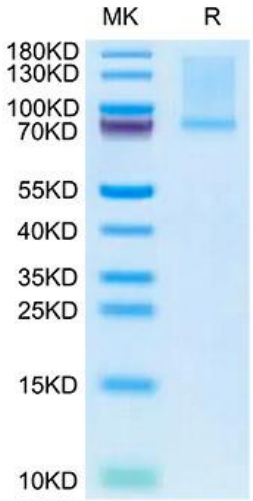
Validation Data



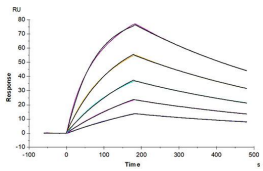
The purity of Mouse GAS6 is greater than 95% as determined by SEC-HPLC.



Immobilized Mouse GAS6, His Tag at 5μg/m l (100μl/well) on the plate. Dose response curve for Human AXL, hFc Tag with the EC_{50} of 3.1ng/ml determined by ELISA (QC Test).



Recombinant Mouse GAS-6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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).

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