

RP02814

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Recombinant Mouse GAS-6 Protein

Catalog No.: RP02814 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	14456	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.

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

Contact



www.abclonal.com

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/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). 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

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

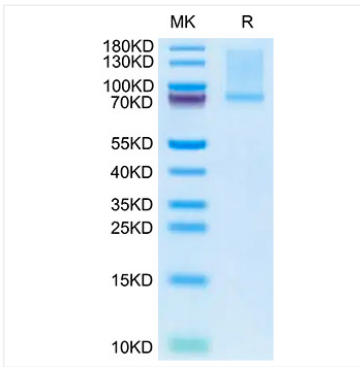
For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

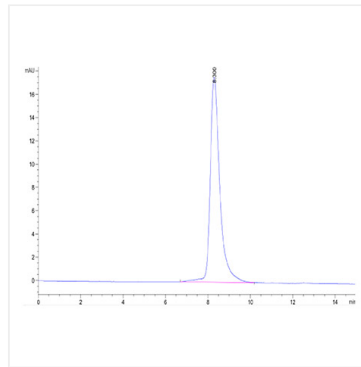
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

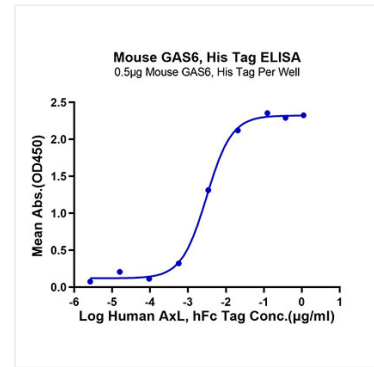
Validation Data



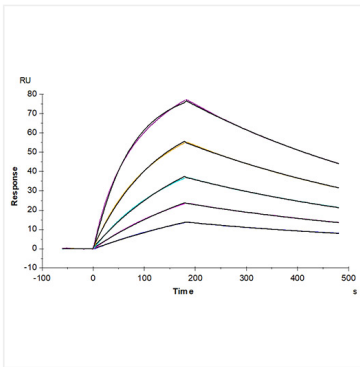
Recombinant Mouse GAS-6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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



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).



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).