

Synonym

GAS6, GAS-6, AXLLG

Source

Human GAS6, His Tag (GA6-H5249) is expressed from human 293 cells (HEK293). It contains AA Asp 279 - Ala 678 (Accession # [Q14393-2](#)).
Predicted N-terminus: Asp 279

Molecular Characterization

Poly-his

GAS6(Asp 279 - Ala 678)
Q14393-2

[Other Tags and Version](#) [Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the N-terminus.
The protein has a calculated MW of 46.0 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.
>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

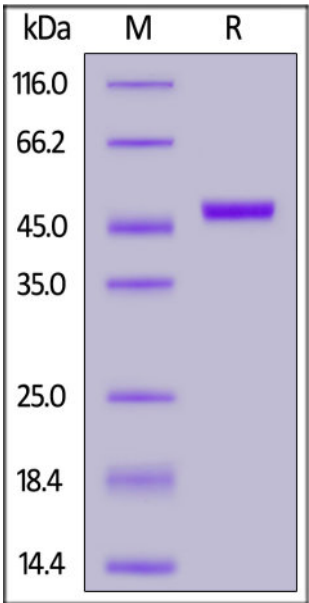
For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Please avoid repeated freeze-thaw cycles.
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

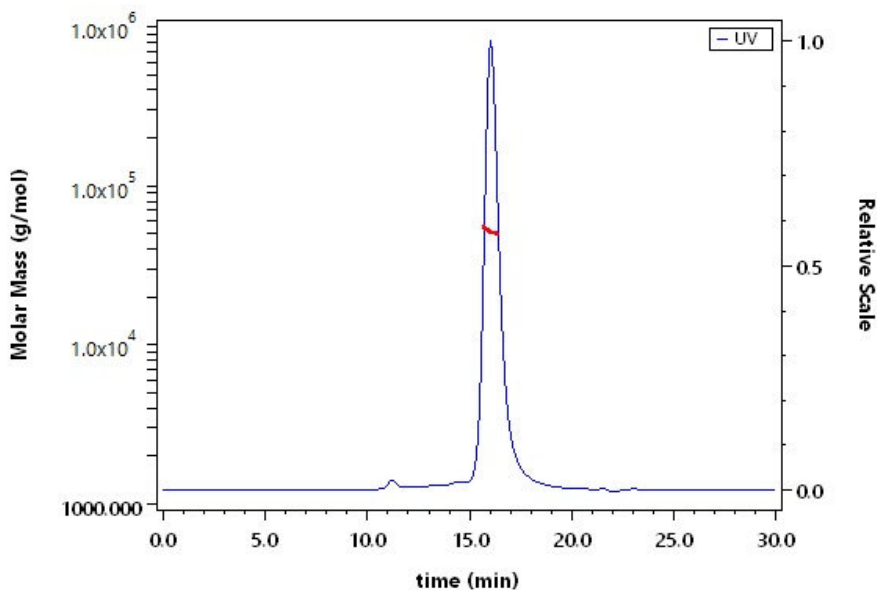
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



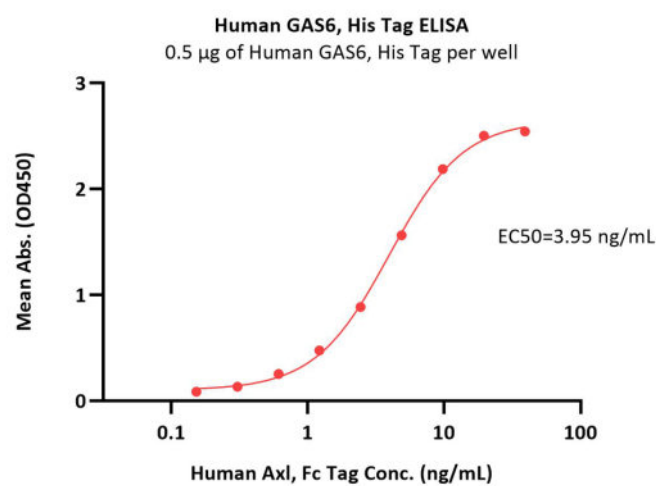
Human GAS6, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS



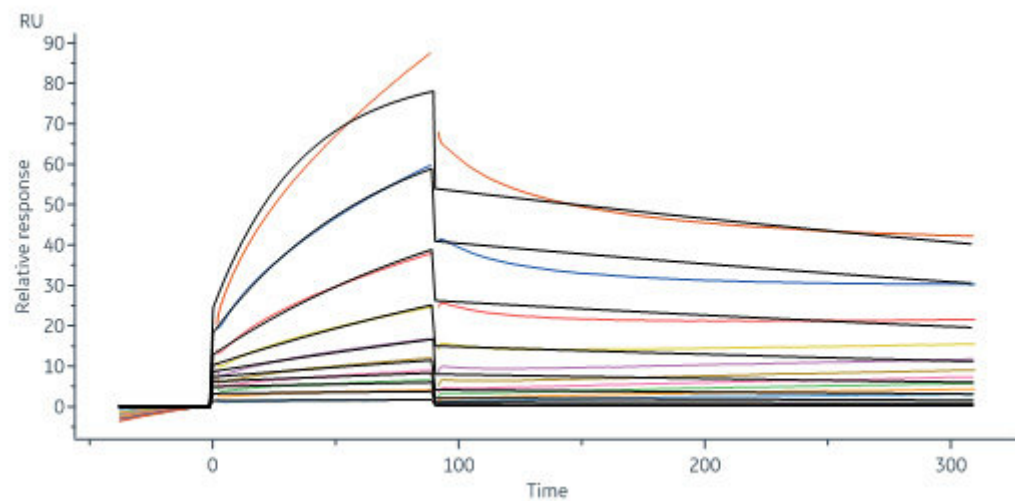
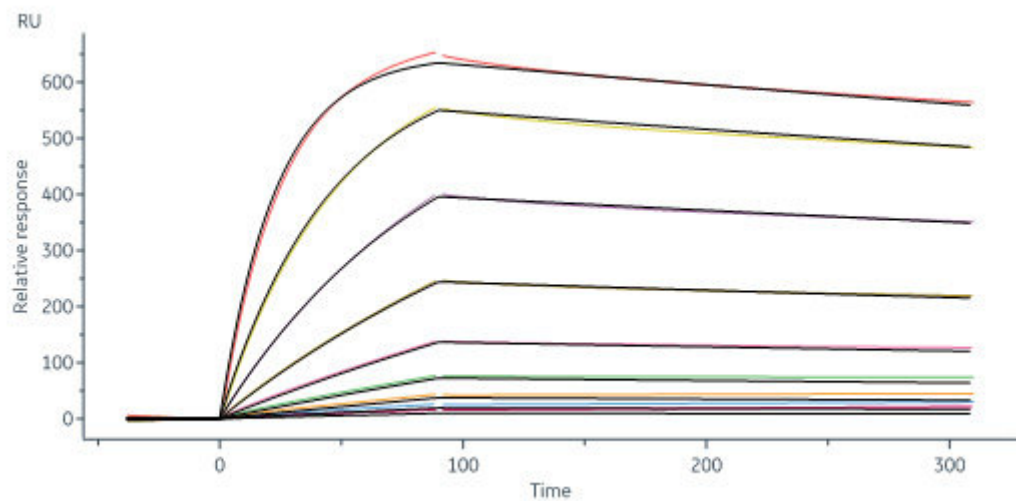
The purity of Human GAS6, His Tag (Cat. No. GA6-H5249) is more than 95% and the molecular weight of this protein is around 44-58 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human GAS6, His Tag (Cat. No. GA6-H5249) at 5 μ g/mL (100 μ L/well) can bind Human Axl, Fc Tag (Cat. No. AXL-H5253) with a linear range of 0.1-10 ng/mL (QC tested).

Bioactivity-SPR



Human Axl, His Tag (Cat. No. AXL-H5226) immobilized on CM5 Chip can bind Human MERTK, His Tag (Cat. No. MEK-H52H6) immobilized on CM5 Chip can bind Human GAS6, His Tag (Cat. No. GA6-H5249) with an affinity constant of 3.4 nM bind Human GAS6, His Tag (Cat. No. GA6-H5249) with an affinity constant of 50.9 nM as determined in SPR assay (Biacore 8K) (Routinely tested).

Background

GAS6 (Growth arrest-specific protein 6) is also known as AXL receptor tyrosine kinase ligand, AXLLG. Ligand for tyrosine-protein kinase receptors AXL, TYRO3 and MER whose signaling is implicated in cell growth and survival, cell adhesion and cell migration. GAS6/AXL signaling plays a role in various processes such as endothelial cell survival during acidification by preventing apoptosis, optimal cytokine signaling during human natural killer cell development, hepatic regeneration, gonadotropin-releasing hormone neuron survival and migration, platelet activation, or regulation of thrombotic responses.

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