

Synonym

GAS6,GAS-6,AXLLG

Source

Human GAS6 Protein, His Tag(GA6-H5246) is expressed from human 293 cells (HEK293). It contains AA Ala 49 - Ala 678 (Accession # [Q14393-2](#)).

Molecular Characterization

Poly-his GAS6(Ala 49 - Ala 678)
Q14393-2

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 71.8 kDa. The protein migrates as 80 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

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.

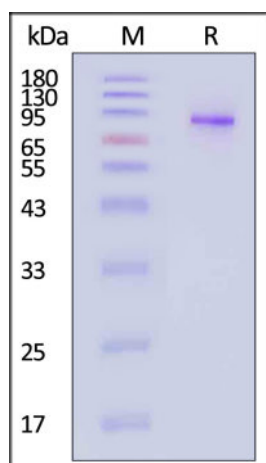
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

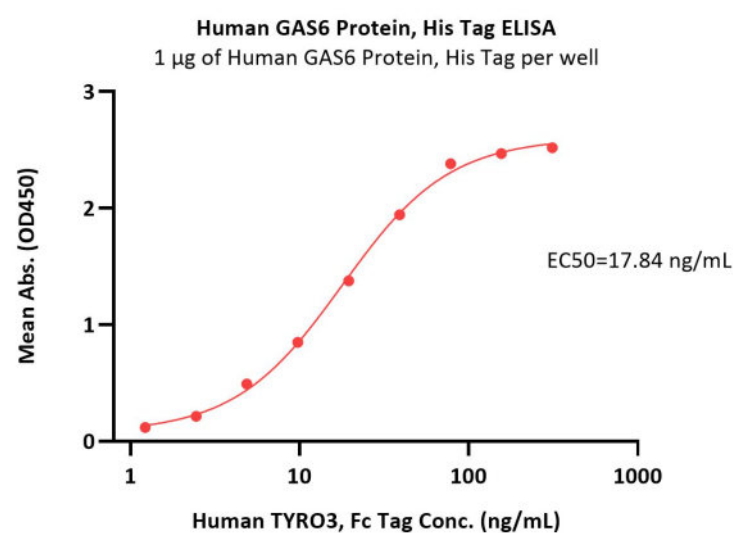
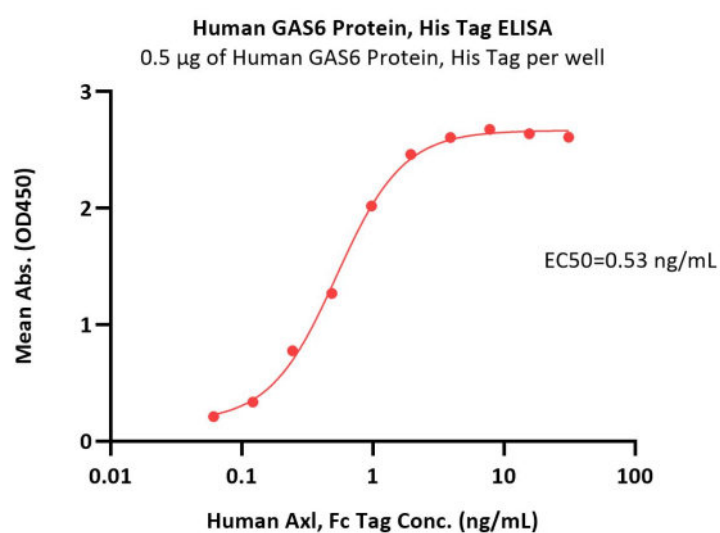
This product is stable after storage at:

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

SDS-PAGE

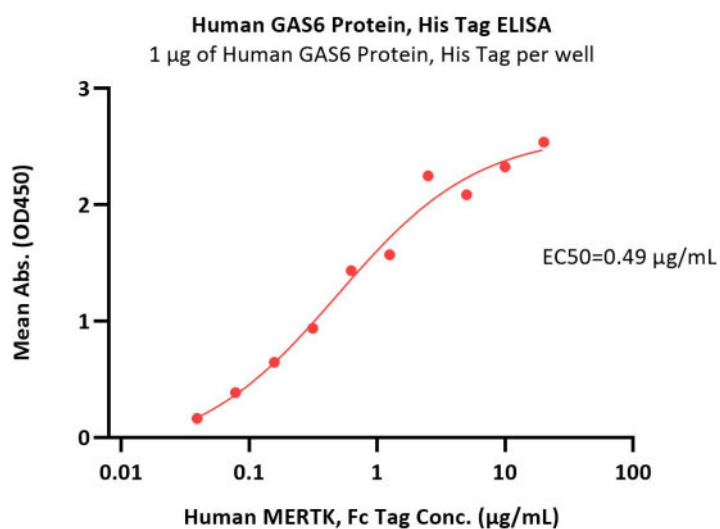
Human GAS6 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA



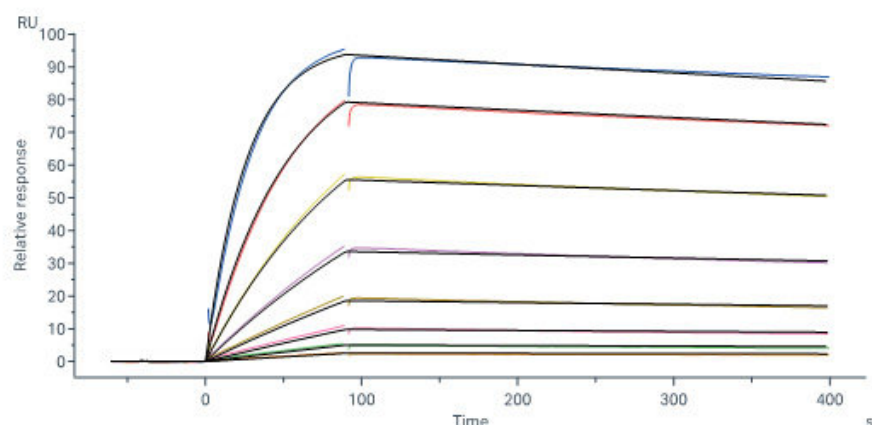
Immobilized Human GAS6 Protein, His Tag (Cat. No. GA6-H5246) at 5 µg/mL (100 µL/well) can bind Human Axl, Fc Tag (Cat. No. AXL-H5253) with a linear range of 0.06-1 ng/mL (QC tested).

Immobilized Human GAS6 Protein, His Tag (Cat. No. GA6-H5246) at 10 µg/mL (100 µL/well) can bind Human TYRO3, Fc Tag (Cat. No. TY3-H5251) with a linear range of 2-20 ng/mL (Routinely tested).



Immobilized Human GAS6 Protein, His Tag (Cat. No. GA6-H5246) at 10 µg/mL (100 µL/well) can bind Human MERTK, Fc Tag (Cat. No. MEK-H5253) with a linear range of 0.04-1.3 µg/mL (Routinely tested).

Bioactivity-SPR



Human Axl, Fc Tag (Cat. No. AXL-H5253) captured on Protein A Chip can bind Human GAS6 Protein, His Tag (Cat. No. GA6-H5246) with an affinity constant of 38.6 nM as determined in a 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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.