

## GAS6 Protein, Mouse, Recombinant (His) V2

### General Information

Synonyms:	growth arrest-specific 6; Gas-6
Protein Construction:	Val28-Pro674
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q61592
Molecular Weight:	73.09 kDa (Predicted); 74-90 kDa (Due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Mouse GAS6, His Tag at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Human AXL, hFc Tag with the EC50 of 3.1 ng/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).
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein 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).

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