

## GAS6 Protein, Human, Recombinant (hFc)

### General Information

Synonyms:	AXLLG;Gas6;GAS-6;AXLLGAXL stimulatory factor;growth arrest-specific protein 6;AXSFAXL receptor tyrosine kinase ligand;growth arrest-specific 6
Protein Construction:	Ala31-Ala678
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q14393
Molecular Weight:	110-120 KDa (reducing condition)
AA Sequence:	Ala31-Ala678

### QC Testing

Biological Activity:	1. Loaded Mouse AXL-His on HIS1K Biosensor, can bind Human GAS6-Fc with an affinity constant of 0.006 nM as determined in BLI assay. (Regularly tested) 2. Immobilized Human AXL-His at 5µg/ml (100 µl/well) can bind Human GAS6-Fc. The ED50 of Human GAS6-Fc is 55.16 ng/ml. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled 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

GAS6 (Growth arrest-specific protein 6) is also known as AXL receptor tyrosine kinase ligand, AXLLG, is a multimodular protein that is up-regulated by a wide variety of cell types in response to growth arrest. Gas6 binds and induces signaling through the receptor tyrosine kinases Axl, Dtk, and Mer whose signaling is implicated in cell

## A DRUG SCREENING EXPERT

---

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481