

Recombinant Human GAS6 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50351

Size: 10ug, 100ug

Protein Name: Growth arrest-specific protein 6 (GAS-6) (AXL receptor tyrosine kinase ligand)

Synonym: GAS6, AXLLG

UniProt ID: Q14393

UniProt Link: www.uniprot.org/uniprotkb/Q14393/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 678 AA

Molecular Weight: 75 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAPSLSPGPAALRRAPQLLLLLLAAECALAALLPAREATQFLRPRQRRAFQVFEEAKQGHLERECVE
ELCSREEAREVFENDPETDYFYPRYLDCINKYGSPYTKNSGFATCVQNLDPDQCTPNPCDRKGTQAC
QDLMGNFFCLCKAGWGGRLCDKDVNECSQENGGLQICHNKPGSFHCSCHSGFELSSDGRTCQD
IDECADSEACGEARCKNLPGSYSCLCDEGFAYSSQEKACRDVDECLQGRCEQVCVNSPGSYTCHC
DGRGGLKLSQDMDTCEDILPCVPFVSVAKSVKSLYLGRMFSGTPVIRLRFKRLQPTRLVAEFDFRTFD
PEGILLFAGGHQDSTWIVLALRAGRLELQLRYNGVGRVTSSGPVINHGMWQTISVEELARNLVIKVN
RDAVMKIAVAGDLFQPERGLYHLNLTVGGIPFHEKDLVQPINPRLDGCMRSWNWLNGEDTTIQETVK
VNTRMQCFSVTERGSFYPGSGFAFYSLDYMRTPLDVGTESTWEVEVVAHIRPAADTGVLFAFWAPD
LRVPLSVALVDYHSTKKLKKQLVVLAVEHTALALMEIKVCDGQEHVTVSLRDGEATLEVDGTRGQ
SEVSAAQLQERLAVLERHLRSPVLTAFAGGLPDVPVTSAPVTA FYRGCMTLEVNRRLLDLDEAAYKHS
DITAHSCPPVEPAAA

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Growth arrest-specific protein 6 (GAS-6) (AXL receptor tyrosine kinase ligand) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: 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.; (Microbial infection) Can bridge virus envelope phosphatidylserine to the TAM receptor tyrosine kinase Axl to mediate viral entry by apoptotic mimicry (PubMed:21501828). Plays a role in Dengue cell entry by apoptotic mimicry (PubMed:23084921). Plays a role in Vaccinia virus cell entry by apoptotic mimicry (PubMed:21501828). Plays a role in ebolavirus and marburgvirus cell entry by apoptotic mimicry (PubMed:17005688).

Subcellular Localization: Secreted .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.