

Recombinant Rat GAS6 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52509

Size: 10ug, 100ug

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

Synonym: Gas6

UniProt ID: Q63772

UniProt Link: www.uniprot.org/uniprotkb/Q63772/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 674 AA

Molecular Weight: 75 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MPPPPGPTAALGTALLLLLLASESSHTVLLRAREAAQFLRPRQRRRAYQVFEEAKQGHLEECVVEVC
SKEEAREVFENDPETDYFYPRYQECMRKYGRPDKNPNFATCVKNLPDQCTPNPCDKKGTQLCQD
LMGNFFCLCKDGWGGRLCDKDVNECSQKNGGCSQVCHNKPGSFQCACHSGFSLQSDNKSCQDID
ECTSDTCDGARCKNLPGSYSCLCDKGYTYSSKEKTCQDVDECQQDRCEQTCVNSPGSYTCHCN
GRGGLKLSPDMTDCEDILPCVPFMAKSVKSLYLGRMFSGTPVIRLRFKRLQPTRLLAEFDFRTFDP
EGLVFFAGGRSDSTWIVLGLRAGRLELQLRYNGVGRITSSGPTINHGMWQTISVEELDRNLVIKVNK
DAVMKIAVAGGLFQLERGLYHLNLTVGGLPFKESDLVQPINPRLDGCMRSWNWLNGEDSAIQETVKA
NTKMQCFSVTERGSFFPGNGFAFYSLNYTRTSLDVGTETTWEVEVVARIRPATDTGVLMAVGDKD
VLLSVALVDYHSTKKLKKQLVVLAVENVALALMEIKVCDSEHTVTVSLRDGEATLEVDGKKGQSE
VSTAQLQERLDLLKTRLQGSVLTFVGGLPDVQVTSTPVTAFYRGCMTLEVNGKTLDLDTASYKHSDI
TSHSCPPVEHVTA

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) (Growth-potentiating factor) (GPF) 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 (By similarity).

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.