

GAS-6 Recombinant Protein | GAS6/AXLLG recombinant protein

Recombinant Human GAS-6 Protein

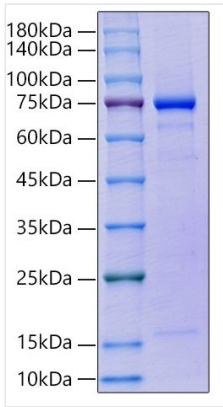
CATALOG # AAA283406	HOST HEK293 cells
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PRODUCT SYNONYMS

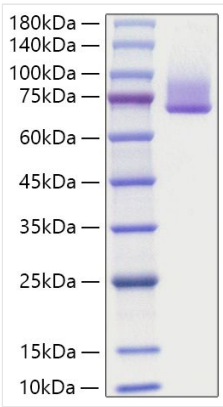
GAS-6; Recombinant Human GAS-6 Protein; GAS6; AXLLG; Growth arrest-specific protein 6; AXL receptor tyrosine kinase ligand; GAS6/AXLLG recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	>90% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	MAPSLSPGPA ALRRAPQLLL LLLAAECALA ALLPAREATQ FLRPRQRRAF QVFEEAKQGH LERECVEELC SREEAREVFE NDPETDYFYP RYLDCKINKYG SPYTKNSGFA TCVQNLPDQC TPNPCDRKGT QACQDLMGNF FCLCKAGWGG RLCDKDVNEC SQENGGCLQI CHNKPFSFHC SCHSGFELSS DGRTCDIDE CADSEACGEA RCKNLPGSYS CLCDEGFAYS SQEKACRDVD ECLQGRCEQV CVNSPGSYTC HCDGRGGLKL SQDMDTCEDI LPCVPFSVAK SVKSLYLGRM FSGTPVIRLR FKRLQPTRLV AEFDFRTFDP EGILLFAGGH QDSTWIVLAL RAGRLELQLR YNGVGRVTSS GPVINHGMWQ TISVEELARN LVIKVN RDAV MKIAVAGDLF QPERGLYHLN LTVGGIPFHE KDLVQPINPR LDGCMRSWNW LNGEDTTIQE TVKVNTRMQC FSVTERGSFY PGSGFAFYSL DYMRTPLDVG TESTWEVEVV AHIRPAADTG VLFALWAPDL RAVPLSVALV DYHSTKKLKK QLVVLAVEHT ALALMEIKVC DGQEHVTVS LRDGEATLEV DGTRGQSEVS AAQLQERLAV LERHLRSPVL TFAGGLPDVP VTSAPVTAFY RGCMTLEVNR RLLDLDEAAY KHSDITAHSC PPVEPAAA
Species	human
Tag	C-His
Endotoxin	<1 EU/ug of the protein by LAL method.
Bio-Activity	Immobilized Human GAS6, His Tag at 5ug/ml (100ul/well) on the plate. Dose response curve for Human Axl with the EC ₅₀ of 7.5ng/ml determined by ELISA.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.



Application Data
Recombinant Human GAS-6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



SDS-PAGE
Recombinant Human GAS-6 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 70-75 kDa.

ADDITIONAL INFORMATION

Related Product Information for GAS6/AXLLG recombinant protein	GAS-6 is a multimodular protein that is up-regulated by a wide variety of cell types in response to growth arrest. Gas6 and the structurally related Protein S are vitamin K-dependent and have an extensively gamma -carboxylated N-terminal Gla domain, four EGF-like repeats, and a C-terminal region with homology to steroid hormone binding globulin (SHBG). Gas6 binds and induces signaling through the receptor tyrosine kinases Axl, Dtk, and Mer. Human Gas6 interacts with both mouse and rat orthologs of these receptors. The full length isoform may be cleaved, resulting in release of the free SHBG region which can independently activate Axl. Shed soluble forms of Axl and Mer bind Gas6 and function as decoy receptors. Gas6 induces a variety of responses, including prevention of apoptosis, cell proliferation, platelet-mediated thrombosis, retinal epithelial cell phagocytosis of outer rod segments, inhibition of VEGF-induced endothelial cell chemotaxis, and the differentiation and expansion of NK cell precursors. The affinity of Gas6 for phosphatidylserine likely contributes to its role in promoting the phagocytosis of apoptotic cells. Several of these effects have been shown to require gamma -carboxylation of the Gla domain.
Product Categories/Family for GAS6/AXLLG recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557617
NCBI GeneID	2621
NCBI Accession #	NP_000811.1
NCBI GenBank Nucleotide #	NM_000820.2
UniProt Accession #	Q14393; Q6IMN1; Q7Z7N3; B3KRQ7; B3KVL4; E9PBL7
UniProt Protein Name	Growth arrest-specific protein 6
UniProt Gene Name	GAS6
UniProt Synonym Gene Names	AXLLG; GAS-6
UniProt Entry Name	GAS6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.