

GAS6 recombinant protein

Recombinant Human GAS6 Protein (His Tag), HPLC-verified

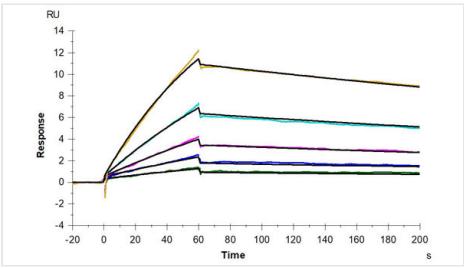
CATALOG # AAA259291	HOST HEK293 Cells	REACTIVITY Human
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PRODUCT SYNONYMS

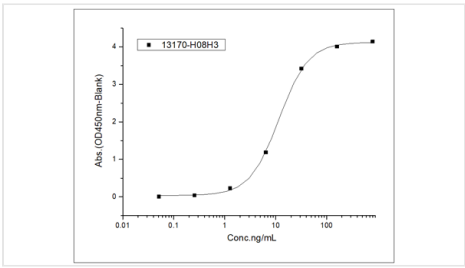
GAS6; Recombinant Human GAS6 Protein (His Tag); HPLC-verified; Human GAS6 Protein (His Tag); growth arrest-specific 6; AXLLG Protein; Human; AXSF Protein; DKFZp666G247 Protein; FLJ34709 Protein; GAS6 recombinant protein

PRODUCT SPECIFICATIONS

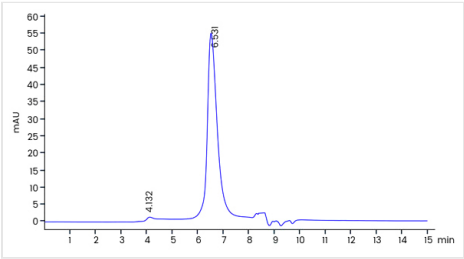
Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 95% as determined by SDS-PAGE. >= 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile 20 mM Tris, 150 mM NaCl, 10% Glycerol, 5% Trehalose, 50 mM Arg, pH 8.0. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Asp279-Ala 678
Tag	C-His
Predicted N Terminal	Asp 279
Endotoxin	< 1.0 EU perug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human GAS6 (Q14393-2)(Asp279-Ala678) was expressed with a polyhistidine tag at the C-terminus.
Activity	1. Immobilized Recombinant Human AXL Protein (Fc Tag) at 2ug/mL (100uL/well) can bind Recombinant Human GAS6 Protein (His Tag), the EC50 is 5-15ng/mL. 2. Recombinant Human AXL Protein, mFc Tag captured on CM5 chip via Anti-Mouse antibody can bind Recombinant Human GAS6 Protein, His Tag with an affinity constant of 4.277nM as determined in an SPR assay (Biacore T200)(Routinely tested). 3. Recombinant Human AXL Protein, mFc Tag captured on CM5 via Anti-mouse antibody chip can bind Recombinant Human GAS6 Protein, His Tag with an affinity constant of 6.895nM as determined in an SPR assay (Biacore T200)(Routinely tested).
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. After reconstitution under sterile conditions, samples are stable for up to three months at -20 degree C to -80 degree C. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.



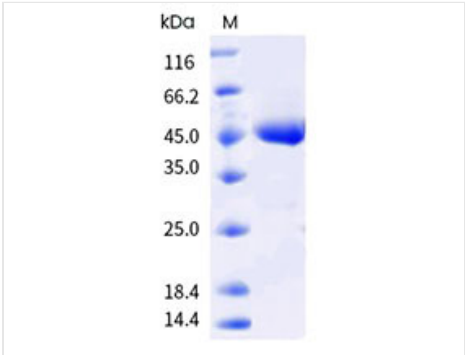
Application Data
Recombinant Human AXL Protein, mFc Tag captured on CM5 chip via Anti-Mouse antibody can bind Recombinant Human GAS6 Protein, His Tag (Routinely tested).



Application Data
Immobilized Recombinant Human AXL Protein (Fc Tag) at 2ug/mL (100uL/well) can bind Recombinant Human GAS6 Protein (His Tag)(#AAA259291), the EC50 is 5-15ng/mL.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for GAS6 recombinant protein	The growth arrest-specific 6 gene (GAS6) is a member of the family of plasma vitamin K-dependent proteins, which are able to bind to phospholipids using an N-terminal gamma-carboxyglutamic acid domain. GAS6 is a vitamin K-dependent protein, plays a role in the survival, proliferation, migration, differentiation, adhesion, and apoptosis of cells. The growth arrest-specific 6 (GAS6) has been implicated in systemic inflammation and coagulation. Growth arrest-specific 6 (GAS6), plays a role in tumor progression by regulating growth in many cancers. GAS6, expressed by osteoblasts in the bone marrow, plays a significant role in the regulation of PCa cell survival during chemotherapy, which will have important implications for targeting metastatic disease. The GAS6/TYRO3-AXL-MERTK (TAM) signaling pathway is essential for full and sustained platelet activation, as well as thrombus stabilization. Inhibition of this pathway decreases platelet aggregation, shape change, clot retraction, aggregate formation under flow conditions, and surface expression of activation markers. It had been show that GAS6 signaling regulates invasion, proliferation, chemotherapy-induced apoptosis of prostate cancer (PCa) cells, and GAS6 secreted from osteoblasts in the bone marrow environment plays a critical role in establishing prostate tumor cell dormancy.
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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
Molecular Weight	79,677 Da
NCBI Official Full Name	growth arrest-specific protein 6 isoform 1
NCBI Official Synonym Full Names	growth arrest-specific 6
NCBI Official Symbol	GAS6

NCBI Official Synonym Symbols	AXSF; AXLLG
NCBI Protein Information	growth arrest-specific protein 6; AXL stimulatory factor; AXL receptor tyrosine kinase ligand
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.

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Online datasheet: <https://stage.aaabiotech.com/gas6-recombinant-protein-hek293-cells/259291>