GAS6 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P70470
Synonyms:	AXLLG; AXLLGAXL stimulatory factor; AXSFAXL receptor tyrosine kinase ligand; Gas6; GAS-6; growth arrest-specific 6; growth arrest-specific protein 6
Species:	Human
Source:	HEK293
Accession:	Q14393 (A31-A678)
Gene ID:	2621
Molecular Weight:	110-120 kDa

PROPERTIES

AA Sequence

A L L P A R E A T Q F L R P R Q R R A F Q V F E E A K Q G H L E R E C V E E L C
S R E E A R E V F E N D P E T D Y F Y P R Y L D C I N K Y G S P Y T K N S G F A
T C V Q N L P D Q C T P N P C D R K G T Q A C Q D L M G N F F C L C K A G W G G
R L C D K D V N E C S Q E N G G C L Q I C H N K P G S F H C S C H S G F E L S S
D G R T C Q D I D E C A D S E A C G E A R C K N L P G S Y S C L C D E G F A Y S
S Q E K A C R D V D E C L Q G R C E Q V C V N S P G S Y T C H C D G R G G L K L
S Q D M D T C E D I L P C V P F S V A K S V K S L Y L G R M F S G T P V I R L R
F K R L Q P T R L V A E F D F R T F D P E G I L L F A G G H Q D S T W I V L A L
R A G R L E L Q L R Y N G V G R V T S S G P V I N H G M W Q T I S V E E L A R N
L V I K V N R D A V M K I A V A G D L F Q P E R G L Y H L N L T V G G I P F H E
K D L V Q P I N P R L D G C M R S W N W L N G E D T T I Q E T V K V N T R M Q C
F S V T E R G S F Y P G S G F A F Y S L D Y M R T P L D V G T E S T W E V E V V
A H I R P A A D T G V L F A L W A P D L R A V P L S V A L V D Y H S T K K L K K
Q L V V L A V E H T A L A L M E I K V C D G Q E H V V T V S L R D G E A T L E V
D G T R G Q S E V S A A Q L Q E R L A V L E R H L R S P V L T F A G G L P D V P
V T S A P V T A F Y R G C M T L E V N R R L L D L D E A A Y K H S D I T A H S C
P P V E P A A A

Biological Activity	Immobilized Human AXL-His at 5 μg/mL (100 μl/well) can bind Human GAS6-Fc. The ED_{50} of Human GAS6-Fc is ≤27 μg/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	GAS6, a ligand for tyrosine-protein kinase receptors AXL, TYRO3, and MER, is implicated in diverse cellular processes including cell growth, survival, adhesion, and migration. GAS6/AXL signaling contributes to endothelial cell survival under acidic conditions by preventing apoptosis, facilitates optimal cytokine signaling during human natural killer cell development, plays a role in hepatic regeneration, influences gonadotropin-releasing hormone neuron survival and migration, regulates platelet activation, and modulates thrombotic responses. Additionally, in microbial infections, GAS6 can act as a bridge between virus envelope phosphatidylserine and the TAM receptor tyrosine kinase Axl, facilitating viral entry through apoptotic mimicry. This unique function extends to its involvement in the entry processes of diverse viruses, including Dengue, Vaccinia, ebolavirus, and marburgvirus, highlighting the multifaceted roles of GAS6 in cellular and infectious contexts.

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