

GAS6 Protein, Mouse (674a.a, HEK293, His)

Cat. No.:	HY-P75174A
Synonyms:	AXLLG; AXSFAXL receptor tyrosine kinase ligand; GAS-6
Species:	Mouse
Source:	HEK293
Accession:	Q61592 (M1-P674)
Gene ID:	14456
Molecular Weight:	Approximately 73.5 kDa

PROPERTIES

AA Sequence

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

Appearance

Lyophilized powder.

Formulation

Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.

Endotoxin Level

<1 EU/μg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O.

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

Growth arrest specific protein 6 (GAS6) is a vitamin K-dependent protein that has a high degree of structural homology with natural anticoagulant S, having the same modular composition and 40% sequence homology. GAS6 contains an NH₂ terminal Gla domain as well as four EGF-like repeat sequences and tandem globular domains. GAS6 is a ligand for the tyrosine-protein kinase receptors AXL, TYRO3, and MER, whose signaling is involved in cell growth and survival, cell adhesion, and cell migration. GAS6/AXL signaling plays a role in a variety of processes, such as the survival of endothelial cells during acidification, by preventing apoptosis, optimal cytokine signaling during human natural killer cell development, liver regeneration, survival and migration of gonadotropin-releasing hormone neurons, platelet activation or regulation of thrombotic response^{[1][2][3][4][5]}.

Caution: Product has not been fully validated for medical applications. For research use only.

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