

GASP-1/WFIKKN2 Protein, Human (HEK293, His)

Cat. No.:	HY-P75173
Synonyms:	Growth and differentiation factor-associated serum protein 1; GASP-1; WFIKKN2; WFIKKNRP
Species:	Human
Source:	HEK293
Accession:	Q8TEU8 (L35-H576)
Gene ID:	124857
Molecular Weight:	Approximately 70-75 kDa

PROPERTIES

AA Sequence	<div> L P P I R Y S H A G I C P N D M N P N L W V D A Q S T C R R E C E T D Q E C E T Y E K C C P N V C G T K S C V A A R Y M D V K G K K G P V G M P K E A T C D H F M C L Q Q G S E C D I W D G Q P V C K C K D R C E K E P S F T C A S D G L T Y Y N R C Y M D A E A C S K G I T L A V V T C R Y H F T W P N T S P P P P E T T M H P T T A S P E T P E L D M A A P A L L N N P V H Q S V T M G E T V S F L C D V V G R P R P E I T W E K Q L E D R E N V V M R P N H V R G N V V V T N I A Q L V I Y N A Q L Q D A G I Y T C T A R N V A G V L R A D F P L S V V R G H Q A A A T S E S S P N G T A F P A A E C L K P P D S E D C G E E Q T R W H F D A Q A N N C L T F T F G H C H R N L N H F E T Y E A C M L A C M S G P L A A C S L P A L Q G P C K A Y A P R W A Y N S Q T G Q C Q S F V Y G G C E G N G N N F E S R E A C E E S C P F P R G N Q R C R A C K P R Q K L V T S F C R S D F V I L G R V S E L T E E P D S G R A L V T V D E V L K D E K M G L K F L G Q E P L E V T L L H V D W A C P C P N V T V S E M P L I I M G E V D G G M A M L R P D S F V G A S S A R R V R K L R E V M H K K T C D V L K E F L G L H </div>
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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. 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

GASP-1/WFIKK2, a multifaceted protease inhibitor boasting multiple distinct domains, demonstrates a potential array of inhibitory activities against serine proteases and metalloproteases. This intriguing protein exerts its inhibitory influence on the biological activity of mature myostatin, while leaving activin unaffected. Notably, GASP-1/WFIKK2 engages with both mature and propeptide forms of myostatin/MSTN, thereby contributing to the intricate regulatory landscape of protease activities in biological systems.

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

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