

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

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|-------------------|---|
| 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         | <p> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> 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<br/> R K L R E V M H K K    T C D V L K E F L G    L H </p> |
| 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 <sub>2</sub> 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.  |

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## 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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