

Kallikrein-11 Protein, Human (Sf9)

Cat. No.:	HY-P7381
Synonyms:	rHuKallikrein-11; TLSP; hK11; Hippostasin; Trypsin-like protease; Serine protease 20
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9UBX7 (E51-N282)
Gene ID:	11012
Molecular Weight:	Approximately 35.0 kDa

PROPERTIES

AA Sequence	<pre> E F A A T M L L V N Q S H Q G F N K E H T S K M V S A I V L Y V L L A A A A H S A F A H H H H H H G S G S D D D D K E T R I I K G F E C K P H S Q P W Q A A L F E K T R L L C G A T L I A P R W L L T A A H C L K P R Y I V H L G Q H N L Q K E E G C E Q T R T A T E S F P H P G F N N S L P N K D H R N D I M L V K M A S P V S I T W A V R P L T L S S R C V T A G T S C L I S G W G S T S S P Q L R L P H T L R C A N I T I I E H Q K C E N A Y P G N I T D T M V C A S V Q E G G K D S C Q G D S G G P L V C N Q S L Q G I I S W G Q D P C A I T R K P G V Y T K V C K Y V D W I Q E T M K N N </pre>
Biological Activity	Specific activity determined by 100 µM colormetric peptide substrate (D-Val-Leu-Lys-ThioBenzyl ester) is >2000 pmole/min/µg.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<0.2 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	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many
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kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternate splicing of this gene results in two transcript variants encoding two different isoforms which are differentially expressed^[1].

REFERENCES

[1]. KLK11 kallikrein related peptidase 11 [Homo sapiens (human)]

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

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