

## Kallikrein-1 Protein, Human (244a.a, HEK293, His)

<b>Cat. No.:</b>	HY-P70144
<b>Synonyms:</b>	rHuKallikrein-1/KLK1, His; Kallikrein-1; Kidney/Pancreas/Salivary Gland Kallikrein; Tissue Kallikrein; KLK1
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P06870 (P19-S262)
<b>Gene ID:</b>	3816
<b>Molecular Weight:</b>	38-55 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> P P I Q S R I V G G   W E C E Q H S Q P W   Q A A L Y H F S T F   Q C G G I L V H R Q W V L T A A H C I S   D N Y Q L W L G R H   N L F D D E N T A Q   F V H V S E S F P H P G F N M S L L E N   H T R Q A D E D Y S   H D L M L L R L T E   P A D T I T D A V K V V E L P T E E P E   V G S T C L A S G W   G S I E P E N F S F   P D D L Q C V D L K I L P N D E C K K A   H V Q K V T D F M L   C V G H L E G G K D   T C V G D S G G P L M C D G V L Q G V T   S W G Y V P C G T P   N K P S V A V R V L   S Y V K W I E D T I A E N S </pre>
<b>Biological Activity</b>	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
<b>Appearance</b>	Solution
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 2 mM CaCl <sub>2</sub> , pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	N/A
<b>Storage &amp; Stability</b>	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Shipping with dry ice

### DESCRIPTION

<b>Background</b>	Kallikrein-1 protein functions by cleaving Met-Lys and Arg-Ser bonds in kininogen, leading to the release of Lys-bradykinin. In the context of microbial infection, it plays a role in cleaving Neisseria meningitidis NHBA in saliva, with Neisseria being an obligate commensal of the nasopharyngeal mucosa.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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