

# Recombinant Human Kallikrein-Related Peptidase 5, His-tagged

**Cat. No.** KLK5-2515H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human KLK5 protein, fused to His-tag at N-terminus, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	67-293aa
<b>Description</b>	KLK5 belongs to the serine protease family of proteolytic enzymes. The human KLK gene family consists of 15 serine proteases. It is expressed in a variety of tissues including salivary gland, stomach, uterus, lung, thymus, prostate, colon, brain, thyroid, and trachea. The function of the other members of KLK gene family is currently unknown, but evidence suggests that many KLKs are implicated in carcinogenesis.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol.
<b>Molecular Mass</b>	27.8 kDa (252aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSBMIINGS DCDMHTQPWQ AALLLRPNQL YCGAVLVHPQ WLLTAAHCRK KVFRVRLGHY SLSPVYESGQ QMFQGVKSIP HPGYSHPGHS NDLMLIKLNR RIRPTKDVRP INVSSHCPA GTKCLVSGWG TTKSPQVHFP KVLQCLNISV LSQKRCEDAY PRQIDDTMFC AGDKAGRDC QGDSGGPVVC NGSLQGLVSW GDYPCARPNR PGVYTNLCKF TKWIQETIQA NS

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<b>Purity</b>	>90% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	KLK5 kallikrein-related peptidase 5 [ Homo sapiens ]
<b>Official Symbol</b>	KLK5
<b>Synonyms</b>	KLK5; kallikrein-related peptidase 5; kallikrein 5; kallikrein-5; KLK L2; SCTE; kallikrein-like protein 2; stratum corneum tryptic enzyme; KLKL2; KLK-L2;
<b>Gene ID</b>	25818
<b>mRNA Refseq</b>	NM_001077491
<b>Protein Refseq</b>	NP_001070959
<b>MIM</b>	605643
<b>UniProt ID</b>	Q9Y337
<b>Chromosome Location</b>	19q13.33
<b>Function</b>	peptidase activity; protein binding; serine-type endopeptidase activity; serine-type

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