

Recombinant Human Kallikrein-Related Peptidase 5, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human KLK5 protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	67-293aa
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol.
Molecular Mass	27.8 kDa (252aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSBMIINGS DCDMHTQPWQ AALLLRPNQL YCGAVLVHPQ WLLTAAHCRK KVFRVRLGHY SLSPVYESGQ QMFQGVKSIP HPGYSHPGHS NDLMLIKLNR RIRPTKDVRP INVSSHCPSA GTKCLVSGWG TTKSPQVHFP KVLQCLNISV LSQKRCEDAY PRQIDDTMFC AGDKAGRDC QGDSSGGPVVC NGSLQGLVSW GDYPCARPNR PGVYTNLCKF TKWIQETIQA NS

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	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.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	KLK5 kallikrein-related peptidase 5 [Homo sapiens]
Official Symbol	KLK5
Synonyms	KLK5; kallikrein-related peptidase 5; kallikrein 5; kallikrein-5; KLK L2; SCTE; kallikrein-like protein 2; stratum corneum tryptic enzyme; KLKL2; KLK-L2;
Gene ID	25818
mRNA Refseq	NM_001077491
Protein Refseq	NP_001070959
MIM	605643
UniProt ID	Q9Y337
Chromosome Location	19q13.33
Function	peptidase activity; protein binding; serine-type endopeptidase activity; serine-type

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