

Recombinant Human KLK5 protein, His-tagged

Cat. No. KLK5-26H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK5(Val23-Ser293) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-293 a.a.
Description	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many 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. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein.
Form	Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, 10% Glycerol, pH 5.5.
AA Sequence	VTEHVLANNDVSCDHPSENTVPSGSNQDLGAGAGEDARSDDSSSRIINGSDCDMHT QPWQAALLLR PNQLYCGAVLVHPQWLLTAAHCRKKVFRVRLGHYSLSPVYESGQQ MFQGVKSIPHPGYSHPGHSN DLMLIKLNRRIRPTKDVRPINVSSHCP SAGTKCLVSG WGTTKSPQVHFPKVLQCLNISVLSQKRC EDAYPRQIDDTMFCAGDKAGR DSCQGD SGGPVVCNGSLQGLVSWG DYPCARPNRPGVYTNLCKFT KWIQETIQANSVDH HHHH

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Endotoxin	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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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