

Recombinant Human KLK5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KLK5-5870H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KLK5 MS Standard C13 and N15-labeled recombinant protein (NP_001070959) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 expression is up-regulated by estrogens and progestins. The encoded protein is secreted and may be involved in desquamation in the epidermis. Alternative splicing results in multiple transcript variants encoding the same protein.
Molecular Mass	32 kDa
AA Sequence	MATARPPWMWVLCALITALLGVTEHVLANNDVSCDHPSTNPVPSGSNQDLGAGAG EDARSDDSSSRIINGSDCDMHTQPWQAALLLRPNQLYCGAVLVHPQWLLTAAHCRK KVFRVRLGHYSLSPVYESGQQMFQGVKSIPHPGYSHPGHSNDLMLIKLNRIRPTK DVRPINVSSHCP SAGTKCLVSGWGTTKSPQVHF PKVLQCLNISVLSQKRCE DAYPR QIDDTMFCAGDKAGRDSCQGDSSGPPVCNGLSLQGLVSWGDYPCARPNRPGVYTN LCKFTKWIQETIQANSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

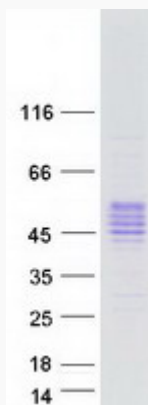
GENE INFORMATION

Gene Name	KLK5 kallikrein-related peptidase 5 [Homo sapiens (human)]
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

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SDS-PAGE

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