

Product datasheet for PH317479

Kallikrein 5 (KLK5) (NM_001077491) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KLK5 MS Standard C13 and N15-labeled recombinant protein (NP_001070959)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217479
Predicted MW:	32 kDa
Protein Sequence:	>RC217479 protein sequence Red=Cloning site Green=Tags(s) MATARPPMWWLICALITALLLGVTEHVLANNVSCDHPSNTVPSGSNQDLGAGAGEDARSDSSSRIING SDCDMHTQPWQAALLLRPNQLYCGAVLVHPQWLLTAAHCRKKVFRVRLGHYSLSPVYESGQQMFQGVKSI PHPGYSHPGHSNDLMLIKLNRRIRPTKDV RPINVS SHCPSAGTKCLVSGWGTTKSPQVHF PKVLQCLNIS VLSQKRCE DAYPRQIDDTMFCAGDKAGR DSCQGD SGGPVV CNGSLQGLV SWGDYPCARPNRPGVYT NLCK FTKWIQETIQANS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001070959</u>
RefSeq Size:	1435
RefSeq ORF:	879
Synonyms:	KLK-L2; KLKL2; SCTE
Locus ID:	25818



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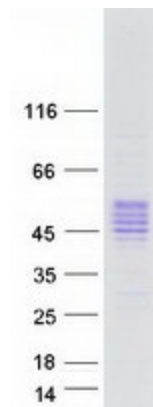
UniProt ID: [Q9Y337](#)

Cytogenetics: 19q13.41

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protease, Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified KLK5 protein (Cat# [TP317479]). The protein was produced from HEK293T cells transfected with KLK5 cDNA clone (Cat# [RC217479]) using MegaTran 2.0 (Cat# [TT210002]).