

Product datasheet for PH311985

Plasma Kallikrein 1B (KLKB1) (NM_000892) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KLKB1 MS Standard C13 and N15-labeled recombinant protein (NP_000883)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211985
Predicted MW:	71.37 kDa
Protein Sequence:	>RC211985 representing NM_000892 Red=Cloning site Green=Tags(s)

MILFKQATYFISL FATVSCGCLTQLYENAFFRGGDVASMYTPNAQYQCMRCTFHPRCLLFSFLPASSIND
MEKRFGCFLKDSVTGTLPKVHRTGAVSGHSLKQCGHQISACHRDIYKGVDMRGVNFVSKVSSVEECQKR
CTNNIRCQFFSYATQTFHKAEYRNNCLLKYSPPGTPTAIKVL SNVESGFSLKPCALSEIGCHMIFQH LA
FSDVDVARVLTDAFVCRTICTYHPNCLFFTFYTNVWKIESQRNVCLLKTSESGTPSSSTPQENTISGYS
LLTCKRTLPEPCHSKIYPGVDFGGEELNVTFVKGVNVCQETCTKMIRCQFFTYSLLPEDCKEEKCKCFLR
LSMDGSPTRIA YGTQSSGYSRLCNTGDNSVCTTKTSTRIVGGTNSSWGEWPVQVSLQVKLTAQRHL CG
GSLIGHQWVLTAAHCFDGLPLQDVWRIYSGILNLS DITKDTPFQSQIKEIIHQNYKVSEGNHDIALIKLQ
APLNYTEFQKPICLPSKGDSTSIYTNVWGTGWGFSKEKGEIQNILQKVNIPLVTNEECQKRYQDYKITQR
MVCAGYKEGGK DACKGDSGGPLVCKHNGMWRLVGITSWGEGCARREQPGVYTKVAEYMDWILEKTQSSDG
KAQMQSPA

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:	NP_000883
RefSeq Size:	2245



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RefSeq ORF: 1914

Synonyms: KLK3; PKK; PKKD; PPK

Locus ID: 3818

UniProt ID: [P03952](#), [A8K9A9](#)

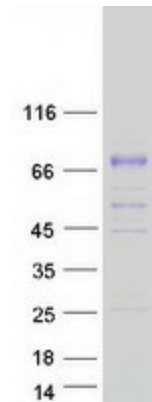
Cytogenetics: 4q35.2

Summary: This gene encodes a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. The encoded preproprotein present in plasma as a non-covalent complex with high molecular weight kininogen undergoes proteolytic processing mediated by activated coagulation factor XII to generate a disulfide-linked, heterodimeric serine protease comprised of heavy and light chains. Certain mutations in this gene cause prekallikrein deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Protein Families: Druggable Genome, Protease

Protein Pathways: Complement and coagulation cascades

Product images:



Coomassie blue staining of purified KLKB1 protein (Cat# [TP311985]). The protein was produced from HEK293T cells transfected with KLKB1 cDNA clone (Cat# [RC211985]) using MegaTran 2.0 (Cat# [TT210002]).