

## Product datasheet for TP311985

### Plasma Kallikrein 1B (KLKB1) (NM\_000892) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human kallikrein B, plasma (Fletcher factor) 1 (KLKB1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211985 representing NM_000892 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MILFKQATYFISLFATVSCGCLTQLYENAFFRGGDVASMYTPNAQYQCQMRCTFHPRCLLFSFLPASSIND MEKRFGCFLKDSVTGTLPKVHRTGAVSGHSLKQCGHQISACHRDIYKGVDMRGVNFVSVKSSVEECQKR CTNNIRCQFFSYATQTFHKAEYRNNCLLKYSPPGGTPTAIKVLNVESGFSCLKPCALSEIGCHMNIHQHLA FSDVDVARVLTDAFVCRITICTYHPNCLFFTFYTNVWKIESQRNVCLLKTSESSTPQENTISGYS LLTCKRTLPEPCHSKIYPGVDFGGEELNVTFVKGVNVCQETCTKMIRCQFFTYSLLPEDCKEEKCKCFLR LSMDGSPTRIAYGTOGSSGYSRLCNTGDNSVCTTKTSTRIVGGTNSSWGEWPWQVSLQVKLTAQRHLCG GSLIGHQWVLTAAHCFDGLPLQDVWRIYSGILNLSDITKDTPFQIKEIIHQNYKVSEGNHDIALIKLQ APLNYTEFQKPICLPSKGDSTIYTNCWVTGWGFSKEKGEIQNILQKVNIPLVNNEECQKRYQDYKITQR MVCAGYKEGGKDACKGDSGGPLVCKHNGMWRLVGITSWGEGCARREQPGVYTKVAEYMDWILEKTQSSDG KAQMSPA</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	41.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_000883](#)

**Locus ID:** 3818

**UniProt ID:** [P03952](#)

**RefSeq Size:** 2245

**Cytogenetics:** 4q35.2

**RefSeq ORF:** 1914

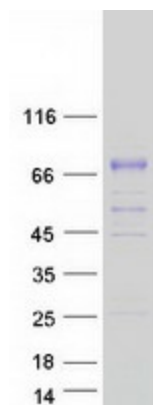
**Synonyms:** KLK3; PKK; PKKD; PPK

**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]).