

## Product datasheet for TP321436L

### Kallikrein 6 (KLK6) (NM\_001012965) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens kallikrein-related peptidase 6 (KLK6), transcript variant C, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221436 representing NM_001012965 Red=Cloning site Green=Tags(s)  MKKLMWVLSLIAAAWAEQNKLVHGGPCDKTSHPYQAALYTSGHLLCGGVLIHPLWVLTAAHCKKPNLQV FLGKHNLQRRESSQEQSSVRAVIHPDYDAASHDQDIMLLRLARPAKLSLIQPLPLERDCSANTTSCHI LGWGKTADGDFPDTIQCAYIHLVSREECEHAYPGQITQNMLCAGDEKYGKDSCQGDSSGGPLVCGDHLRGL VSWGNI PCGSKEKPGVYTNVCRYTNWIQKTIQAK  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	14.9 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.
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:	<a href="#">NP_001012983</a>
Locus ID:	5653



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UniProt ID: [Q92876](#)  
RefSeq Size: 1495  
Cytogenetics: 19q13.41  
RefSeq ORF: 732  
Synonyms: Bssp; hK6; Klk7; PRSS9; PRSS18; SP59

**Summary:** This gene encodes a member of the kallikrein subfamily of the peptidase S1 family of serine proteases. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. The encoded preproprotein is proteolytically processed to generate the mature protease. Expression of this protease is regulated by steroid hormones and may be elevated in multiple human cancers and in serum from psoriasis patients. The encoded protease may participate in the cleavage of amyloid precursor protein and alpha-synuclein, thus implicating this protease in Alzheimer's and Parkinson's disease, respectively. This gene is located in a gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

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

### Product images:



Coomassie blue staining of purified KLK6 protein (Cat# [TP321436]). The protein was produced from HEK293T cells transfected with KLK6 cDNA clone (Cat# [RC221436]) using MegaTran 2.0 (Cat# [TT210002]).