

## Product datasheet for **TP302667M**

### Kallikrein 2 (KLK2) (NM\_005551) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human kallikrein-related peptidase 2 (KLK2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC202667 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MWDLVLSIALSVGCTGAVPLIQSRIVGGWECEKHSQPWQVAVYSHGWAHCGGVLVHPQWVLTAAHCLKKN  
SQVWLGRLHNLFEPEDTGQRPVSHSFPHPLYNMSLLKHQSLRPDEDESSHDLMMLRLSEPAKITDVVKVLG  
LPTQEPALGTTTCYASGWGSIEPEEFLRPRSLQCVSLHLLSNDM CARAYSEKVFTEFMLCAGLWTGGKDTGCG  
GDSGGPLVCNGVLQGITSWGPEPCALPEKPAVYTKVWHYRKWIKDTIAANP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	28.5 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_005542</a>
Locus ID:	3817
UniProt ID:	<a href="#">P20151</a> , <a href="#">A0A024R4J4</a> , <a href="#">B4DU77</a>



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RefSeq Size: 2855

Cytogenetics: 19q13.33

RefSeq ORF: 783

Synonyms: hGK-1; hK2; KLK2A2

**Summary:** This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Jan 2012]

**Protein Families:** Druggable Genome, Protease

### Product images:



Coomassie blue staining of purified KLK2 protein (Cat# [TP302667]). The protein was produced from HEK293T cells transfected with KLK2 cDNA clone (Cat# [RC202667]) using MegaTran 2.0 (Cat# [TT210002]).