

Product datasheet for **TP302667**

Kallikrein 2 (KLK2) (NM_005551) Human Recombinant Protein

Product data:

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|-----------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human kallikrein-related peptidase 2 (KLK2), transcript variant 1, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA | >RC202667 protein sequence |
| Clone or AA Sequence: | Red=Cloning site Green=Tags(s) |

MWDLVLSIALSVGCTGAVPLIQSRIVGGWECEKHSQPWQVAVYSHGWAHCGGVLVHPQWVLTAAHCLKKN
SQVWLGRLHNLFEPEDTGQRPVSHSFPHPLYNMSLLKHQSLRPDEDESSHDLMMLRLSEPAKITDVVKVLG
LPTQEPALGTTTCYASGWGSIEPEEFLRPRSLQCVSLHLLSNDMCMARAYSEKVFTEFMLCAGLWTGGKDTGCG
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: | NP_005542 |
| Locus ID: | 3817 |
| UniProt ID: | P20151 , A0A024R4J4 , B4DU77 |



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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]).