

# **Product datasheet for TP317479**

#### OriGene Technologies, Inc.

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## Kallikrein 5 (KLK5) (NM\_001077491) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human kallikrein-related peptidase 5 (KLK5), transcript variant 2, 20 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC217479 protein sequence Red=Cloning site Green=Tags(s)

MATARPPWMWVLCALITALLLGVTEHVLANNDVSCDHPSNTVPSGSNQDLGAGAGEDARSDDSSSRIING SDCDMHTQPWQAALLLRPNQLYCGAVLVHPQWLLTAAHCRKKVFRVRLGHYSLSPVYESGQQMFQGVKSI PHPGYSHPGHSNDLMLIKLNRRIRPTKDVRPINVSSHCPSAGTKCLVSGWGTTKSPQVHFPKVLQCLNIS VLSQKRCEDAYPRQIDDTMFCAGDKAGRDSCQGDSGGPVVCNGSLQGLVSWGDYPCARPNRPGVYTNLCK

**FTKWIQETIQANS** 

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK

**Predicted MW:** 28.8 kDa

Concentration:  $>0.05 \mu g/\mu L$  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 001070959

**Locus ID:** 25818



#### Kallikrein 5 (KLK5) (NM\_001077491) Human Recombinant Protein - TP317479

 UniProt ID:
 Q9Y337

 RefSeq Size:
 1435

Cytogenetics: 19q13.41

RefSeq ORF: 879

Synonyms: KLK-L2; KLKL2; SCTE

**Summary:** Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing

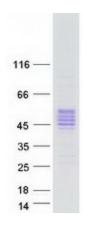
evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its expression is up-regulated by

estrogens and progestins. The encoded protein is secreted and may be involved in desquamation in the epidermis. Alternative splicing results in multiple transcript variants

encoding the same protein. [provided by RefSeq, Jul 2008]

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

### **Product images:**



Coomassie blue staining of purified KLK5 protein (Cat# TP317479). The protein was produced from HEK293T cells transfected with KLK5 cDNA clone (Cat# [RC217479]) using MegaTran 2.0 (Cat# [TT210002]).