

Product datasheet for TP321436M

OriGene Technologies, Inc.

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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, 100 µg

Species: Human Expression Host: HEK293T

Expression cDNA Clone >RC221436 representing NM 001012965

or AA Sequence: Red=Cloning site Green=Tags(s)

MKKLMVVLSLIAAAWAEEQNKLVHGGPCDKTSHPYQAALYTSGHLLCGGVLIHPLWVLTAAHCKKPNLQV FLGKHNLRQRESSQEQSSVVRAVIHPDYDAASHDQDIMLLRLARPAKLSELIQPLPLERDCSANTTSCHI LGWGKTADGDFPDTIQCAYIHLVSREECEHAYPGQITQNMLCAGDEKYGKDSCQGDSGGPLVCGDHLRGL

VSWGNIPCGSKEKPGVYTNVCRYTNWIQKTIQAK

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: NP 001012983

Locus ID: 5653



Kallikrein 6 (KLK6) (NM_001012965) Human Recombinant Protein – TP321436M

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

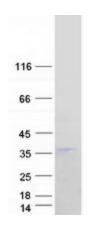
and Parkinson's disease, respectively. This gene is located in a gene cluster on chromosome 19.

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]).