

Product datasheet for PH321436

OriGene Technologies, Inc.

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Kallikrein 6 (KLK6) (NM 001012965) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: KLK6 MS Standard C13 and N15-labeled recombinant protein (NP 001012983)

Species: Human **HEK293 Expression Host: Expression cDNA Clone**

or AA Sequence:

RC221436

Predicted MW: 26.86 kDa

>RC221436 representing NM_001012965 **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MKKLMVVLSLIAAAWAEEQNKLVHGGPCDKTSHPYQAALYTSGHLLCGGVLIHPLWVLTAAHCKKPNLQV FLGKHNLRQRESSQEQSSVVRAVIHPDYDAASHDQDIMLLRLARPAKLSELIQPLPLERDCSANTTSCHI LGWGKTADGDFPDTIQCAYIHLVSREECEHAYPGQITQNMLCAGDEKYGKDSCQGDSGGPLVCGDHLRGL

VSWGNIPCGSKEKPGVYTNVCRYTNWIQKTIQAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 001012983

RefSeq Size: 1495 RefSeq ORF: 732

Synonyms: Bssp; hK6; Klk7; PRSS9; PRSS18; SP59

Locus ID: 5653 UniProt ID: 092876





Cytogenetics:

19q13.41

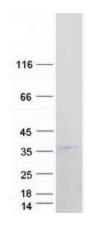
Summary:

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]).