

Recombinant Human KLK6 Protein, His-tagged

Cat. No. KLK6-079H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KLK6 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	244
Description	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.
Form	Lyophilized
Molecular Mass	18 kDa (mature-form) or 26 kDa (pro-form)
AA Sequence	MKKLMVVLSLIAAAWAEEQNKLVHGGPCDKTSHPYQAALYTSGHLLCGGVLIHPLW

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VLTAAHCKKPNLQVFLGKHNLQRRESSQEQSSVVRVHDPDYDAASHDQDIMLLRLA
RPAKLSELIQPLPLERDCSANTTSCHILGWGKTADGDFPDTIQCAYIHLVSREECEHA
YPGQITQNMCLCAGDEKYGKDSCQGDSGGPLVCGDHLRGLVSWGNIPCGSKEKPG
VYTNVCRYTNWIQKTIQAK

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name [KLK6 kallikrein-related peptidase 6 \[Homo sapiens \(human\) \]](#)

Official Symbol [KLK6](#)

Synonyms KLK6; kallikrein-related peptidase 6; kallikrein 6 (neurosin, zyme) , protease, serine,

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18 , PRSS9, PRSS18; kallikrein-6; Bssp; Klk7; neurosin; zyme; protease M; serine protease 9; serine protease 18; hK6; SP59; PRSS9; PRSS18; MGC9355;

Gene ID 5653

mRNA Refseq NM_001012964

Protein Refseq NP_001012982

MIM 602652

UniProt ID Q92876

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