

## Recombinant Human KLK6 Protein (Glu17-Lys244), His tagged

Cat. No. KLK6-5021H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human KLK6 (Glu17-Lys244) fused with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu17-Lys244
<b>Description</b>	Serine protease which exhibits a preference for Arg over Lys in the substrate P1 position and for Ser or Pro in the P2 position. Shows activity against amyloid precursor protein, myelin basic protein, gelatin, casein and extracellular matrix proteins such as fibronectin, laminin, vitronectin and collagen. Degrades alpha-synuclein and prevents its polymerization, indicating that it may be involved in the pathogenesis of Parkinson disease and other synucleinopathies. May be involved in regulation of axon outgrowth following spinal cord injury. Tumor cells treated with a neutralizing KLK6 antibody migrate less than control cells, suggesting a role in invasion and metastasis.
<b>Form</b>	Lyophilized powder/frozen liquid
<b>Molecular Mass</b>	25.99 kDa
<b>Purity</b>	>90% as determined by SDS-PAGE.

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<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
<b>Storage Buffer</b>	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	KLK6 kallikrein-related peptidase 6 [ Homo sapiens (human) ]
<b>Official Symbol</b>	KLK6
<b>Synonyms</b>	KLK6; kallikrein-related peptidase 6; kallikrein 6 (neurosin, zyme), protease, serine, 18, PRSS9, PRSS18; kallikrein-6; Bssp; Klk7; neurosin; zyme; protease M; serine protease 9; serine protease 18; hK6; SP59; PRSS9; PRSS18; MGC9355;
<b>Gene ID</b>	5653
<b>mRNA Refseq</b>	NM_001012964
<b>Protein Refseq</b>	NP_001012982
<b>MIM</b>	602652
<b>UniProt ID</b>	Q92876

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