

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

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

SPECIFICATION

Product Overview	Recombinant human KLK6 (Glu17-Lys244) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu17-Lys244
Description	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.
Form	Lyophilized powder/frozen liquid
Molecular Mass	25.99 kDa
Purity	>90% as determined by SDS-PAGE.

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Notes	For research use only.
Storage	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.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
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, 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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