Recombinant Mouse Klk8 Protein, Myc/DDK-tagged

Cat. No. Klk8-3727M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length kallikrein related-peptidase 8 (Klk8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the kallikrein subfamily of serine proteases that are involved in diverse physiological functions such as skin desquamation, tooth enamel formation, seminal liquefaction, synaptic neural plasticity and brain function. The encoded preproprotein undergoes proteolytic cleavage of the activation peptide to generate the functional enzyme. Mice lacking the encoded protein exhibit impaired long-term potentiation and increased anxiety, as well as a hyperkeratosis phenotype. This gene is located in a cluster of several related kallikrein genes on chromosome 7.
Molecular Mass	29 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Klk8 kallikrein related-peptidase 8 [Mus musculus (house mouse)]
Official Symbol	Klk8
Synonyms	KLK8; kallikrein related-peptidase 8; kallikrein-8; NP; mK8; neuropsin; kallikrein 8; serine protease 19; Brain Serine protease 1; protease, serine, 19 (neuropsin); BSP1; Nrpn; Prss19
Gene ID	259277
mRNA Refseq	NM_008940
Protein Refseq	NP_032966
UniProt ID	Q61955

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