

## Recombinant Mouse Kik8 Protein, Myc/DDK-tagged

**Cat. No.** Kik8-3727M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length kallikrein related-peptidase 8 (Kik8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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 preprotein 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.
<b>Molecular Mass</b>	29 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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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