

Recombinant Mouse Penk Protein, Myc/DDK-tagged

Cat. No. Penk-4793M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length preproenkephalin (Penk), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Met- and Leu-enkephalins compete with and mimic the effects of opiate drugs. They play a role in a number of physiologic functions, including pain perception and responses to stress. PENK(114-133) and PENK(238-259) increase glutamate release in the striatum. PENK(114-133) decreases GABA concentration in the striatum.
Molecular Mass	31 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Penk preproenkephalin [Mus musculus (house mouse)]
Official Symbol	Penk
Synonyms	PENK; preproenkephalin; proenkephalin-A; preproenkephalin 1; spermatogenic-specific proenkephalin; ENK; PPA; Penk1; AI326464
Gene ID	18619
mRNA Refseq	NM_001002927
Protein Refseq	NP_001002927
UniProt ID	P22005

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