

Recombinant Mouse Pth2 Protein, MYC/DDK-tagged

Cat. No. Pth2-521M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse parathyroid hormone 2 (Pth2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes the precursor of a peptide hormone that shares sequence similarity with the parathyroid hormone. This gene is expressed in various regions of the brain where it plays a role in the release of pituitary hormones, anxiety and nociception. The encoded precursor protein is proteolytically processed to generate the biologically active neuropeptide. Mice lacking the encoded protein display increased fear and anxiety after exposure to stressful events, and decreased sensitivity to pain.
Molecular Mass	11.5 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 Pth2 parathyroid hormone 2 [Mus musculus (house mouse)]

Official Symbol Pth2

Synonyms Pth2; parathyroid hormone 2; Tip39; Tifp39; tuberoinfundibular peptide of 39 residues; tuberoinfundibular 39 residue protein; tuberoinfundibular peptide of 39 residues (TIP39) preprohormone

Gene ID 114640

mRNA Refseq NM_053256

Protein Refseq NP_444486

UniProt ID Q91W27

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