

Recombinant Full Length Human PENK Protein, C-Flag-tagged

Cat. No. PENK-1950HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PENK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the pentapeptide opioids Met-enkephalin and Leu-enkephalin, which are stored in synaptic vesicles, then released into the synapse where they bind to mu- and delta-opioid receptors to modulate the perception of pain. Other non-opioid cleavage products may function in distinct biological activities.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	30.6 kDa
AA Sequence	MARFLTLCTWLLLLGPGLLATVRAECSQDCATCSYRLVRPADINFLACVMECEGKLP SLKIWETCKELLQ LSKPELPQDGTSTLRENSKPEESHLLAKRYGGFMKRYGGFMKK MDELYPMEPEEEANGSEILAKRYGGFM KKDAEEDDSLANSDDLKELLETGDNRRER SHHQDGS DNEEEVSKRYGGFMRLKRSPQLEDEAKELQKRY GGFMRRVGRPEW WMDYQKRYGGFLKRFAEALPSDEEGESYSKEVPEMEKRYGGFMRF TRTRPLEQK LISEEDLAANDILDYKDDDDKV

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	PENK proenkephalin [Homo sapiens (human)]
Official Symbol	PENK
Synonyms	PE; PENK-A
Gene ID	5179
mRNA Refseq	NM_001135690.3
Protein Refseq	NP_001129162
MIM	131330

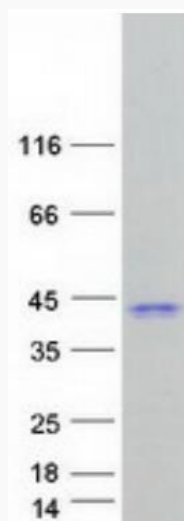
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UniProt ID

P01210



Coomassie blue staining of purified PENK protein.

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