

Recombinant Human PENK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PENK-3226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PENK MS Standard C13 and N15-labeled recombinant protein (NP_006202) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	30.8 kDa
AA Sequence	MARFLTLCTWLLLLGPGLLATVRAECSQDCATCSYRLVRPADINFLACVMECEGKLP SLKIWETCKELLQLSKPELPQDGTSTLRENSKPEESHLLAKRYGGFMKRYGGFMKK MDELYPMEPEEEANGSEILAKRYGGFMKKDAEEDDSLANSDDLKELLETGDNRRER SHHQDGSNNEEVSKRYGGFMRLKRSPQLEDEAKELQKRYGGFMRRVGRPEW WMDYQKRYGGFLKRFAEALPSDEEGESYSKEVPEMEKRYGGFMRFSGPTRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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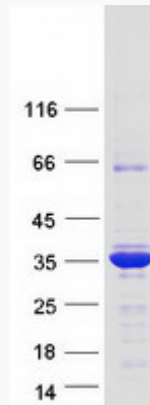
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	PENK proenkephalin [Homo sapiens (human)]
Official Symbol	PENK
Synonyms	PENK; proenkephalin; proenkephalin-A; preproenkephalin; enkephalin A;
Gene ID	5179
mRNA Refseq	NM_006211
Protein Refseq	NP_006202
MIM	131330
UniProt ID	P01210

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SDS-PAGE



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