

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

Cat. No. PENK-2338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PENK MS Standard C13 and N15-labeled recombinant protein (NP_001129162) 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 SHHQDGS DNEEEVSKRYGGFMRLKRS PQLEDEAKELQKRYGGFMRRVGRPEW WMDYQKRYGGFLKRFAEALPSDEEGESYSKEVPEMEKRYGGFMRFTRTRPLEQKL ISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

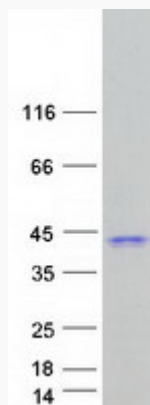
GENE INFORMATION

Gene Name	PENK proenkephalin [Homo sapiens (human)]
Official Symbol	PENK
Synonyms	PENK; proenkephalin; proenkephalin-A; preproenkephalin; enkephalin A;
Gene ID	5179
mRNA Refseq	NM_001135690
Protein Refseq	NP_001129162
MIM	131330
UniProt ID	P01210

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA