

## Product datasheet for PH327805

### Enkephalin (PENK) (NM\_001135690) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PENK MS Standard C13 and N15-labeled recombinant protein (NP_001129162)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227805
Predicted MW:	30.8 kDa
Protein Sequence:	>RC227805 protein sequence Red=Cloning site Green=Tags(s)  MARFLTLCWLLLLGPGLLATVRAECSQDCATCSYRLVVPADINFLACVMECEGKLP SLKIWETCKELLQ LSKPELPQDGTSTLRENSKPEESHLLAKRYGGFMKRYGGFMKMDLYPMEPEEEANGSEILAKRYGGFM KKDAEEDDSLANSDDLKELLETDGDNRRSHHQDGSNNEEVSKRYGGFMRGLKRSPQLEDEAKELQKRY GGFMRRVGRPEWMDYQKRYGGFLKRFAEALPSDEEGESYSKEVPEMEKRYGGFMRF  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001129162</a>
RefSeq Size:	1354
RefSeq ORF:	801
Synonyms:	PE; PENK-A
Locus ID:	5179
UniProt ID:	<a href="#">P01210</a> , <a href="#">A0A024R7V4</a>



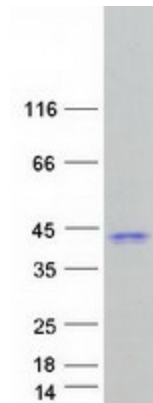
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Cytogenetics: 8q12.1

**Summary:** 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. [provided by RefSeq, Jul 2015]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified PENK protein (Cat# [TP327805]). The protein was produced from HEK293T cells transfected with PENK cDNA clone (Cat# [RC227805]) using MegaTran 2.0 (Cat# [TT210002]).