

Product datasheet for TP307563

Enkephalin (PENK) (NM_006211) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human proenkephalin (PENK), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207563 protein sequence Red =Cloning site Green =Tags(s)
	MARFLTLCTWLLLLGPGLLATVRAECSQDCATCSYRLVRPADINFLACVMECEGKLP SLKIWETCKELLQ LSKPELPQDGTSTLRENSKPEESHLLAKRYGGFMKRYGGFMKKMDELYPMEPEEEANGSEILAKRYGGFM KKDAEEDDSLANSDDLKELLETDGDNRRSHHQDGSNNEEVSKRYGGFMRGLKRSPQLEDEAKELQKRY GGFMRRVGRPEWWMDYQKRYGGFLKRFAEALPSDEEGESYSKEVPEMEKRYGGFMRF
	SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	30.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_006202</u>
Locus ID:	5179
UniProt ID:	<u>P01210</u>



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RefSeq Size: 1221

Cytogenetics: 8q12.1

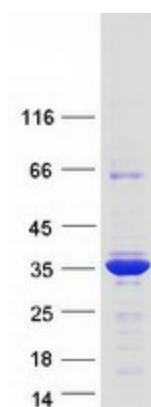
RefSeq ORF: 801

Synonyms: enkephalin A; preproenkephalin; proenkephalin

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# TP307563). The protein was produced from HEK293T cells transfected with PENK cDNA clone (Cat# [RC207563]) using MegaTran 2.0 (Cat# [TT210002]).