

Product datasheet for **TP307563L**

Enkephalin (PENK) (NM_006211) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human proenkephalin (PENK), transcript variant 2, 1 mg

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: [NP_006202](#)

Locus ID: 5179

UniProt ID: [P01210](#)



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RefSeq Size: 1221

Cytogenetics: 8q12.1

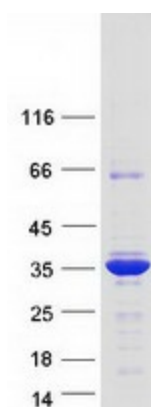
RefSeq ORF: 801

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]).