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## Datasheet for ABIN7318934 Enkephalin Protein (His tag)

### Overview

Quantity:	50 µg
Target:	Enkephalin (PENK)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Enkephalin protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Proenkephalin-A/PENK Protein (His Tag)
Sequence:	Glu25-Phe267
Characteristics:	Recombinant Human Proenkephalin-A is produced by our Mammalian expression system and the target gene encoding Glu25-Phe267 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	Enkephalin (PENK)
Alternative Name:	Proenkephalin-A/PENK ( <a href="#">PENK Products</a> )
Background:	Background: Proenkephalin-A is a secreted protein that belongs to the opioid neuropeptide precursor family. Proenkephalin-A is an endogenous opioid polypeptide hormone which, via proteolytic cleavage, produces the enkephalin peptides [Met]enkephalin, and to a lesser extent,

## Target Details

[Leu]enkephalin. Met- and Leu-enkephalins compete with and mimic the effects of opiate drugs. They play a role in a number of physiologic functions, including pain perception and responses to stress. Proenkephalin-A (114-133) and Proenkephalin-A (237-258) increase glutamate release in the striatum. Proenkephalin-A (114-133) decreases GABA concentration in the striatum.

Synonym: Proenkephalin-A, Synenkephalin, Met-Enkephalin, Leu-Enkephalin, PENK

Molecular Weight: 29.2 kDa

UniProt: [P01210](#)

Pathways: [Stem Cell Maintenance](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.