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Product datasheet for TP726149

Enkephalin (PENK) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Proenkephalin-A (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu25-Phe267
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl,pH7.4, 5% trehalose, 0.05%Tween80
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	5179
UniProt ID:	P01210
Synonyms:	Proenkephalin-A; Synenkephalin; Met-Enkephalin; Leu-Enkephalin; PENK
Summary:	Proenkephalin-A is a secreted protein that belongs to the opioid neuropeptide precursor family. Proenkephalin-A is an endogenous opioid polypeptide hormone which, via proteolyic cleavage, produces the enkephalin peptides [Met]enkephalin, and to a lesser extent, [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.
Protein Families:	Secreted Protein

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