Enkephalin (ENK) ELISA Kit for Chicken

PRODUCT OVERVIEW

Product Name	Enkephalin, ELISA Kit
Full Product Name	Chicken Enkephalin ELISA Kit
Product Gene Name	ENK elisa kit
Product Synonym Names	Chicken ENK ELISA Kit; ENK ELISA Kit
Species Reactivity	Chicken
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	30,932 Da
Chromosome Location	Chromosome: 5; NC_005104.3 (21834416..21839358, complement). Location: 5q12
3D Structure	ModBase 3D Structure for P04094
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for ENK elisa kit	Neurobiology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for ENK elisa kit	MBS749999 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Enkephalin, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ENK. The ELISA analytical biochemical technique of the MBS749999 kit is based on ENK antibody-ENK antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ENK antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ENK. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ENK elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ENK. It may not necessarily be applicable to this product.

NCBI GI #	204026
NCBI GeneID	29237
NCBI Accession #	AAA41115.1
UniProt Primary Accession #	P04094
UniProt Secondary Accession #	Q53X05
UniProt Related Accession #	P04094
NCBI Official Full Name	enkephalin
NCBI Official Synonym Full Names	proenkephalin

NCBI Official Symbol	Penk
NCBI Official Synonym Symbols	Enk; Penk1; Penk2; Penk-rs
UniProt Protein Name	Proenkephalin-A
UniProt Synonym Protein Names	Opioid growth factor
Protein Family	Carboxypeptidase
UniProt Gene Name	Penk
UniProt Synonym Gene Names	Penk-rs; Penk1; OGF
UniProt Entry Name	PENK_RAT
NCBI Protein Information	proenkephalin-A; proenkephalin 1; proenkephalin 2; preproenkephalin 2; proenkephalin related sequence
NCBI Summary for ENK	neuropeptide hormone; plays a role in the responses to stress and pain perception [RGD, Feb 2006]
UniProt Comments for ENK	PENK: 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. PENK(114-133) and PENK(237-258) increase glutamate release in the striatum. PENK(114-133) decreases GABA concentration in the striatum. Belongs to the opioid neuropeptide precursor family. Protein type: Hormone; Secreted; Secreted, signal peptide
Research Articles on ENK	**1.** enkephalin surges and mu opioid stimulation in the same anteromedial dorsal neostriatumregion contribute to signaling the opportunity to eat a sensory reward and to causally generating increased consumption of that reward.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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