
Beta Endorphin Peptide (Rat)

Subcategory: Synthetic Peptide

Cat. No.: 350084

Unit: 1 mg

Description:

Beta-endorphin is an endogenous opioid neuropeptide found in neurons of both the central and peripheral nervous system. It is one of five endorphins found in humans, i.e. alpha-endorphin, gamma-endorphin, alpha-neoendorphin, and beta-neoendorphin. Beta-endorphin is a 31-aa peptide resulting from processing of the precursor proopiomelanocortin (POMC). Beta-endorphin is an agonist of the opioid receptors (mu-opioid receptor in brain and mu- and kappa-receptors in spinal cord). It is used as an analgesic to numb pain.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Endorphin; beta-endorphin; proopiomelanocortin; POMC

Accession No.: P01194

MW: 3466.09 g/mol

Sequence: Rat: H-Tyr-Gly-Gly-Phe-Met-Thr-Ser-Glu-Lys-Ser-Gln-Thr-Pro-Leu-Val-Thr-Leu-Phe-Lys-Asn-Ala-Ile-Ile-Lys-Asn-Val-His-Lys-Lys-Gly-Gln-OH or H-YGGFMTSEKSQTPLVTLFKNAIIKNVHKKGQ-OH

Composition: C157H254N42O44S1

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.