Beta Endorphin Peptide

Subcategory: Synthetic Peptide
Cat. No.: 350083
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.: P01189

MW: 3465.06 g/mol
Composition: C158H251N39O46S1
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.