

Rev01  
Update: Dec,28,2022

**DATASHEET**

# β-Endorphin, human

Cat. No.: RP11344

## Overview

<b>Description</b>	Potent endogenous opioid protein b-Endorphin is derived from proopiomelanocortin, b-Endorphin is a protein found in the brain, anterior pituitary, skin, immune system, and other peripheral sites. β-Endorphin is released in response to painful stimuli and b-Endorphin has potent antinociceptive activity mediated through its action on μ receptors in brain and by μ and κ receptors in the spinal cord.
<b>Cas No</b>	61214-51-5
<b>Sequence</b>	{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}{ALA}{TYR}{LYS}{LYS}{GLY}{GLU}
<b>Sequence Shortening</b>	YGGFMTSEKSQTPLVTLFKNAIIKNAYKKGE
<b>Molecular Formula</b>	C <sub>158</sub> H <sub>251</sub> N <sub>39</sub> O <sub>46</sub> S <sub>1</sub>
<b>Molecular Weight</b>	3465.1

## Properties

<b>Purity</b>	> 95%
<b>Solubility</b>	The peptide is soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.
<b>Form</b>	Lyophilized
<b>Storage</b>	Store the peptide at -20°C