

Product datasheet

Endomorphin 2 peptide ab38202

Description

Product name	Endomorphin 2 peptide
Purity	> 95 % SDS-PAGE.
Animal free	No
Nature	Synthetic
Sequence	YPFF

Specifications

Our [Abpromise guarantee](#) covers the use of **ab38202** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Blocking - Blocking peptide for Anti-Endomorphin 2 antibody (ab10289)
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle.
Reconstitution	Reconstitute with deionized water at a concentration of 1mg/ml.

General Info

Relevance	Endomorphin-1 (Tyr-Pro-Trp-Phe-NH ₂ , EM-1) and endomorphin-2 (Tyr-Pro-Phe-Phe-NH ₂ , EM-2) are endogenous tetrapeptides derived from an unknown precursor and have the highest affinity and selectivity for the mu-opioid receptor (MOP-R) of all known mammalian opioids. They have been isolated from bovine and human brain, and have a potent antinociceptive activity (inhibition of pain perception) and are involved in a number of physiological processes, including food intake, vasomotricity, sexual behavior, as well as neuroendocrine and cardiorespiratory functions. Opioidmimetics and opioid peptides containing the amino acid sequence of the message domain of endomorphins, Tyr-Pro-Phe/Trp, could exhibit unique binding activity and lead to the development of new therapeutic drugs for controlling pain.
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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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