

Product datasheet

Recombinant Human Oxytocin-neurophysin 1 protein (Tagged) ab235866

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Description

Product name	Recombinant Human Oxytocin-neurophysin 1 protein (Tagged)	
Purity	> 90 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	<u>P01178</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	AAPDLDV RKCLPCGPGGKGR CFGPNICCAEELGCFVGT AEALRCQEENYL PSPCQSGQKACGSGGRCAVLGLCCSPDGCHADPACDA EATFSQR	
Predicted molecular weight	13 kDa	
Amino acids	32 to 125	
Tags	His tag N-Terminus	
Additional sequence information	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged.	

Specifications

Our **Abpromise guarantee** covers the use of **ab235866** in the following tested applications.

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

Applications	Mass Spectrometry SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

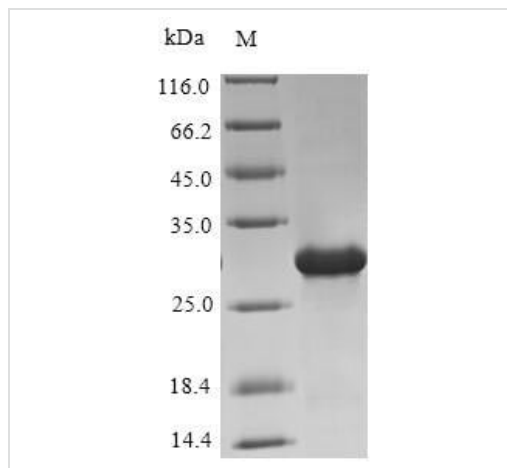
Relevance

Neurophysin 1 specifically binds oxytocin. Oxytocin causes contraction of the smooth muscle of the uterus and of the mammary gland. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. Oxytocin contracts smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions.

Cellular localization

Secreted

Images



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel of ab235866.

SDS-PAGE - Recombinant Human Oxytocin-neurophysin 1 protein (Tagged) (ab235866)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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