

Product datasheet

Recombinant Human Oxytocin-neurophysin 1 protein (Tagged) ab235823

1 Image

Description

Product name	Recombinant Human Oxytocin-neurophysin 1 protein (Tagged)	
Purity	> 85 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	P01178	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	AAPDL DVRKCLPCGPGGKGR CFGPNICCAEELGCFV GTAEALRCQEENYL PSPCQSGQKACGSGGRCAVLGLCCSPDGCHADPAC DAEATFSQR	
Predicted molecular weight	15 kDa including tags	
Amino acids	32 to 125	
Tags	His tag N-Terminus	
Additional sequence information	Mature chain lacking the signal peptide. N-terminal 10xHis-tagged and C-terminal Myc-tagged	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab235823** in the following tested applications.

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

Applications	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. Constituents: Tris buffer, 50% Glycerol
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General Info

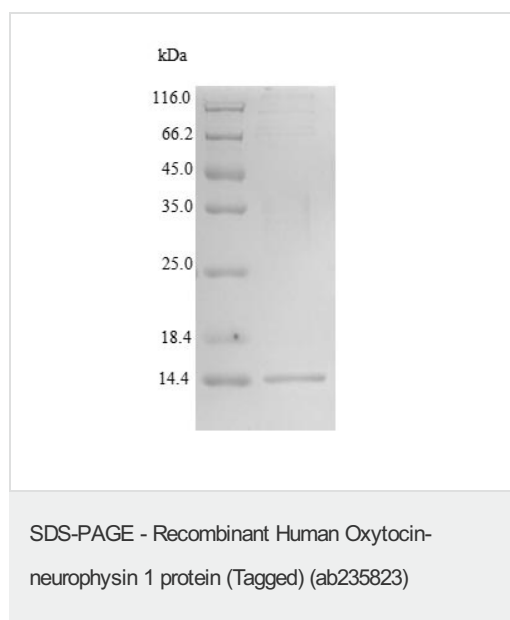
Relevance

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



ab235823 analyzed by (Tris-Glycine gel) discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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