

Datasheet for ABIN7562461

## CRYM Protein (AA 1-313) (His tag)



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### Overview

Quantity:	1 mg
Target:	CRYM
Protein Characteristics:	AA 1-313
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRYM protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Crym Protein expressed in mammalien cells.
Sequence:	<p>MKRAPAFLSA EEVQDHLRSS SLLIPPLEAA LANFSKGPDG GVMQPVRTVV PVAKHRGFLG</p> <p>VMPAYSAAED ALTTKLVTYF EGHSTAVPS HQASVLLFDP SNGSLLAVMD GNVITAKRTA</p> <p>AVSAIATKLL KPPGSDVLCI LGAGVQAYSH YEIFTEQFSF KEVRMWNRTR ENAEKFASTV</p> <p>QGDVRVCSSV QEAVTGADVI ITVTMATEPI LFGWVKPGA HINAVGASRP DWRELDDELM</p> <p>RQAVLYVDSR EAALKESGDV LLSGADIFAE LGEVISGAKP AHCEKTTVFK SLGMAVEDLV</p> <p>AAKLVDWSV SGK <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>Made to order protein - from design to production - by highly experienced protein experts.</li> </ul>

## Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

Target:	CRYM
Alternative Name:	Crym ( <a href="#">CRYM Products</a> )
Background:	Ketimine reductase mu-crystallin (EC 1.5.1.25) (NADP-regulated thyroid-hormone-binding protein),FUNCTION: Specifically catalyzes the reduction of imine bonds in brain substrates that may include cystathionine ketimine (CysK) and lanthionine ketimine (LK). Binds thyroid hormone which is a strong reversible inhibitor. Presumably involved in the regulation of the free intracellular concentration of triiodothyronine and access to its nuclear receptors (By similarity). {ECO:0000250}.
Molecular Weight:	33.5 kDa
UniProt:	<a href="#">O54983</a>
Pathways:	<a href="#">Hormone Transport, Sensory Perception of Sound</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months