

Datasheet for ABIN7557890  
**ISY1 Protein (AA 1-285) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ISY1
Protein Characteristics:	AA 1-285
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ISY1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Isy1 Protein expressed in mammalian cells.
Sequence:	<p>MARNAEKAMT ALARFRQAQL EEGKVKERRP FLASECTELP KAEKWRRQII GEISKKVAQI</p> <p>QNAGLGEFRI RDLNDEINKL LREKGHWEVR IKELGGPDYG KVGPKMLDHE GKEVPGNRGY</p> <p>KYFGAAKDLP GVRELFKEP LPPPRKTRAE LMKAI DF EY GYLDEDDGVI VPLEQEYEKK</p> <p>LRAELVEKWK AEREARLARG EKEEEEEEEEE EINIYAVTEE ESDEEGNQEK AGEDGQQKFI</p> <p>AHVPVPSQQE IEEALVRRKK MELLQKYASE TLQAQSEEAK RLLGY <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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	ISY1
Alternative Name:	Isy1 ( <a href="#">ISY1 Products</a> )
Background:	<p>Pre-mRNA-splicing factor ISY1 homolog,FUNCTION: Component of the spliceosome C complex required for the selective processing of microRNAs (miRNAs) during embryonic stem cell differentiation (PubMed:26255770, PubMed:29804889). Required for the biogenesis of all miRNAs from the pri-miR-17-92 primary transcript except miR-92a (PubMed:26255770). Only required for the biogenesis of miR-290 and miR-96 from the pri-miR-290-295 and pri-miR-96-183 primary transcripts, respectively (PubMed:29804889). Required during the transition of embryonic stem cells (ESCs) from the naive to primed state (PubMed:29804889). By enhancing miRNA biogenesis, promotes exit of ESCs from the naive state to an intermediate state of poised pluripotency, which precedes the transition to the primed state (PubMed:29804889). Involved in pre-mRNA splicing as component of the spliceosome.</p> <p>{ECO:0000250 UniProtKB:Q9ULR0, ECO:0000269 PubMed:26255770, ECO:0000269 PubMed:29804889}.</p>
Molecular Weight:	33.0 kDa
UniProt:	<a href="#">Q69ZQ2</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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