

Datasheet for ABIN7559102

## MBNL2 Protein (AA 1-373) (His tag)



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### Overview

Quantity:	1 mg
Target:	MBNL2
Protein Characteristics:	AA 1-373
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBNL2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Mbnl2 Protein expressed in mammalian cells.
Sequence:	<p>MALNVAPVRD TKWLTLEVCR QYQRGTCSRS DEECKFAHPP KSCQVENGRV IACFDSLKGR</p> <p>CSRENCKYLH PPTHLLKTQLE INGRNNLIQQ KTAAAMLAQQ MQFMFPGTPL HPVPTFPVGP</p> <p>TIGTNAAISF APYLAPVTPG VGLVPTEVLP TTPVIVPGSP PVTVPSTAT QKLLRTDKLE</p> <p>VCREFQRGNC ARGETDCRFA HPADSTMIDT NDNTVTVCMD YIKGRCMREK CKYFHPPAHL</p> <p>QAKIKAAQHQ ANQAAVAAQA AAAAATVMTQ STAKALKRPL EATVDLAFPP GALHPLPKRQ</p> <p>ALEKSNAST VFNPVSLHYQ QALTSALQQ HTAFIPTVPM MHSATSATVS AATTPATSV</p> <p>FAATATANQI ILK <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:	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, Western Blot

Grade: custom-made

## Target Details

Target: MBNL2

Alternative Name: Mbnl2 ([MBNL2 Products](#))

Background: Muscleblind-like protein 2,FUNCTION: Mediates pre-mRNA alternative splicing regulation. Acts either as activator or repressor of splicing on specific pre-mRNA targets. Inhibits cardiac troponin-T (TNNT2) pre-mRNA exon inclusion but induces insulin receptor (IR) pre-mRNA exon inclusion in muscle. Antagonizes the alternative splicing activity pattern of CELF proteins. RNA-binding protein that binds to 5'ACACCC-3' core sequence, termed zipcode, within the 3'UTR of ITGA3. Binds to CUG triplet repeat expansion in myotonic dystrophy muscle cells by sequestering the target RNAs. Together with RNA binding proteins RBPMS and RBFOX2, activates vascular smooth muscle cells alternative splicing events (By similarity). Regulates NCOR2 alternative splicing (By similarity). Seems to regulate expression and localization of ITGA3 by transporting it from the nucleus to cytoplasm at adhesion plaques. May play a role in myotonic dystrophy pathophysiology (DM) (By similarity). {ECO:0000250, ECO:0000250|UniProtKB:F2Z3T4}.

Molecular Weight: 40.2 kDa

UniProt: [Q8C181](#)

## 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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Restrictions:	For Research Use only
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## 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