

Product datasheet

Recombinant Human MBNL2 protein ab160843

[1 References](#) [1 Image](#)

Description

Product name	Recombinant Human MBNL2 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MALNVAPVRDTKWLTLVCRQFQRGTCRSRDEECKFAH PPKSCQVENGRV IACFDSLKGRCSRENCKYLHPPHLKTQLEINGRNLIQQK TAAAMLAQQ MQFMFPGTPLHPVPTFPVGPAIGTNTAISFAPYLAPVTPGV GLVPTEILP TTPVMPGSPVTVPGSTATQKLLRTDKLEVCREFRGNC ARGETDCRFA HPADSTMIDTSDNTVTVCMYIKGRCMREKCKYFHPPAHL QAKIKAAQHQ ANQAAVAAQAAAAAATVMAFPPGALHPLPKRQALEKSN GTSAVFNPSVLH YQQAL TSAQLQQHAAFIPTGSVLCMTPATSIDNSEIISRNG MECQESALRITKHCYCTYPVSSSIELPQTAC</p>
Amino acids	1 to 373
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab160843** in the following tested applications.

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

Applications	Western blot
	ELISA
Form	Liquid

Additional notes

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

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. 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).

Tissue specificity

Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.

Sequence similarities

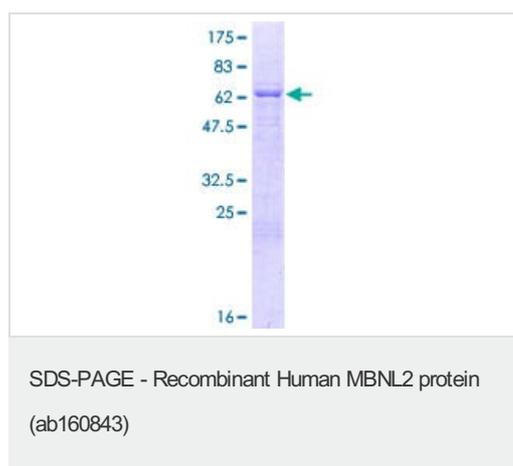
Belongs to the muscleblind family.

Contains 4 C3H1-type zinc fingers.

Cellular localization

Nucleus. Cytoplasm. Greater concentration in the nucleus. Expressed in or near large cytoplasmic adhesion plaques (PubMed:16273094). Location in the cytoplasm is microtubule-dependent (PubMed:16273094). In both DM1 and DM2 patients, colocalizes with nuclear foci of retained expanded-repeat transcripts (PubMed:11929853).

Images



ab160843 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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