Datasheet for ABIN7554491

MBNL1 Protein (AA 1-388) (His tag)

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Overview

Quantity:	1 mg
Target:	MBNL1
Protein Characteristics:	AA 1-388
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBNL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MBNL1 Protein expressed in mammalien cells.
Sequence:	MAVSVTPIRD TKWLTLEVCR EFQRGTCSRP DTECKFAHPS KSCQVENGRV IACFDSLKGR CSRENCKYLH PPPHLKTQLE INGRNNLIQQ KNMAMLAQQM QLANAMMPGA PLQPVPMFSV APSLATNASA AAFNPYLGPV SPSLVPAEIL PTAPMLVTGN PGVPVPAAAA AAAQKLMRTD RLEVCREYQR GNCNRGENDC RFAHPADSTM IDTNDNTVTV CMDYIKGRCS REKCKYFHPP AHLQAKIKAA QYQVNQAAAA QAAATAAAMT QSAVKSLKRP LEATFDLGIP QAVLPPLPKR PALEKTNGAT AVFNTGIFQY QQALANMQLQ QHTAFLPPVP MVHGATPATV SAATTSATSV PFAATATANQ IPIISAEHLT SHKYVTQM **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.**
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalien 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:	MBNL1
Alternative Name:	MBNL1 (MBNL1 Products)
Background:	Muscleblind-like protein 1 (Triplet-expansion RNA-binding protein),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. Regulates the TNNT2 exon 5 skipping through competition with U2AF2. Inhibits the formation of the spliceosome A complex on intron 4 of TNNT2 pre-mRNA. Binds to the stem-loop structure within the polypyrimidine tract of TNNT2 intron 4 during spliceosome assembly. Binds to the 5'-YGCU(U/G)Y-3'consensus sequence. Binds to the IR RNA. Binds to expanded CUG repeat RNA, which folds into a hairpin structure containing GC base pairs and bulged, unpaired U residues. Together with RNA binding proteins RBPMS and RBFOX2, activates vascular smooth muscle cells alternative splicing events (PubMed:37548402). Regulates NCOR2 alternative splicing (By similarity). {ECO:0000250|UniProtKB:A0A8I6B1J2, ECO:0000269|PubMed:10970838, ECO:0000269|PubMed:15257297, ECO:0000269|PubMed:16946708,

Target Details

	ECO:0000269|PubMed:18335541, ECO:0000269|PubMed:19470458, ECO:0000269|PubMed:37548402}.
Molecular Weight:	41.8 kDa
UniProt:	Q9NR56
Pathways:	Ribonucleoprotein Complex Subunit Organization

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.
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

