

Product datasheet

Recombinant Human MBNL1 protein (Tagged) ab272043

画像数 1

製品の詳細

製品名	Recombinant Human MBNL1 protein (Tagged)
精製度	> 90 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	<u>Q9NR56-5</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MAVSVTPIRDTKWLTLEVCREFQRGTCSRPDTECKFAHPSKS CQVENGRV IACFDSLKGRCSRENCKYLHPPHLKTQLEINGRNLIQKKN MAMLAQQM QLANAMMPGAPLQVPMFVSAPSLATNASAAAFNPYLGVPSP SLVPAEIL PTAPMLVTGNPGVPVAAAAAAAAQKLMRTDRLEVCREYQRGN CNRGENDC RFAHPADSTMIDTNDNTVTVCMDYIKGRCSREKCKYFHPPAH LQAKIKAA QYQVNQAAAAQAAATAAAMGIPQAVLPPLPKRPALEKTNGAT AVFNTGIF QYQQALANMQLQQHTAFLPPGSILCMTPATSVVPMVHGATPA TVSAATTS ATSVPF AATATANQIPIISA EHLTSHKYVTQM
予測される分子量	57 kDa including tags
領域	1 to 382
配列の追加情報	N-terminal 6xHis-SUMO-tagged. Isoform 5.

特性

Our **Abpromise guarantee** covers the use of **ab272043** in the following tested applications.

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

アプリケーション SDS-PAGE

製品の状態 Liquid
備考 Isoform 5.

前処理および保存

保存方法および安定性 Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Constituents: Tris buffer, PBS, Glycerol
5-50% glycerol

関連情報

機能 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.

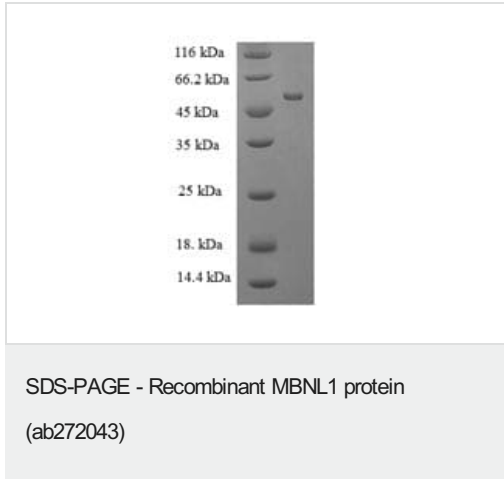
組織特異性 Highly expressed in cardiac, skeletal muscle and during myoblast differentiation. Weakly expressed in other tissues (at protein level). Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.

関連疾患 Plays a role in the pathogenesis of dystrophia myotonica type 1 (DM1) [MIM:160900]. A muscular disorder characterized by myotonia, muscle wasting in the distal extremities, cataract, hypogonadism, defective endocrine functions, male baldness and cardiac arrhythmias. Note=In muscle cells from DM1 patients, MBNL1 is sequestered by DMPK RNAs containing CUG triplet repeat expansions. MBNL1 binding is proportional to repeat length consistent with the direct correlation between the length of repeat expansion and disease severity.

配列類似性 Belongs to the muscleblind family.
Contains 4 C3H1-type zinc fingers.

細胞内局在 Nucleus. Cytoplasm. Cytoplasmic granule. Localized with DDX1, TIAL1 and YBX1 in stress granules upon stress. Localized in the cytoplasm of multinucleated myotubes. Colocalizes with nuclear foci of retained expanded-repeat transcripts in myotubes from patients affected by myotonic dystrophy.

画像



SDS-PAGE analysis of ab272043.
15% gel run under reducing conditions.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors