

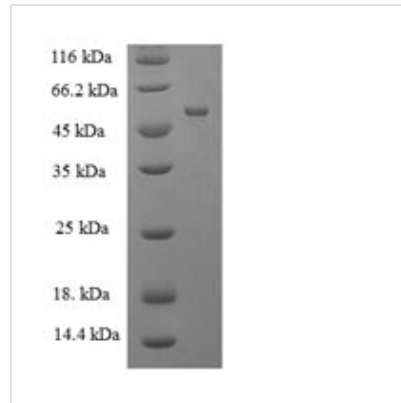


Recombinant Human Muscleblind-like protein 1 (MBNL1)

Product Code	CSB-EP889088HU
Relevance	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 st-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.
Abbreviation	Recombinant Human MBNL1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NR56
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAVSVTPIRDTKWLTLEVCREFQRGTC SRPDTECKFAHPSKSCQVENGRVIA CFDSLKGRCSRENCKYLHPPPHLKTQLEINGRNLIQQKNMAMLAQQMQLAN AMMPGAPLQPVPMFVAPSLATNASAAAFNPYLGVPVSPSLVPAEILPTAPMLV TGNPGVPVPAAAAAAAAAQKLMRTDRLEVCREYQRGNCNRGENDCRFAHPADS TMIDTNDNTVTVCMDYIKGRCSREKCKYFHPPAHLQAKIKAAQYQVNQAAAAQ AAATAAAMGIPQAVLPPLPKRPALEKTNGATAVFNTGIFQYQQALANMQLQQH TAFLLPPGSILCMTPATSVVPMVHGATPATVSAATTSATSVPF AATATANQIPIIS AEHLTSHKYVTQM
Research Area	Transcription
Source	E.coli
Target Names	MBNL1
Expression Region	1-382aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	53.9 kDa

**Protein Length**

Full Length of Isoform 5

Image

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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