

Product datasheet for PH323216

MBNL1 (NM_207296) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Mass Spec Standards |
| Description: | MBNL1 MS Standard C13 and N15-labeled recombinant protein (NP_997179) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC223216 |
| Predicted MW: | 36.8 kDa |
| Protein Sequence: | >RC223216 representing NM_207296 Red=Cloning site Green=Tags(s) MAVSVTPIRDTKWLTLEVCREFQRGTC SRPDTECKFAHPSKSCQVENGRVIACFDSLKGRC SRENCKYLH PPPHLKTQLEINGRNLIQQKNMAMLAQQMQLANAMMPGAPLQPVPMSVAPSLATNASAAAFNPYLGPV SPSLVPAEILPTAPMLVTGNPGVPVPA AAAAAAQLMRTDRLEVCREYQRGNCNRGENDCRFAHPADSTM IDTNDNTVTVCMDYIKGRCSREKCKYFHPPAHLQAKIKAAQYQVNQAAAAQAAATAAMFPWCTVLRQPL CPQQHLPQVFPSLQQPQPTSPILDASTLLGATSCPAAAGKMPIIISAEHLTSHKYVTQM TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | <u>NP_997179</u> |
| RefSeq Size: | 5246 |
| RefSeq ORF: | 1020 |
| Synonyms: | EXP; MBNL |
| Locus ID: | 4154 |



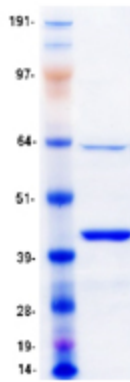
[View online »](#)

UniProt ID: [Q9NR56](#), [Q86VM6](#)

Cytogenetics: 3q25.1-q25.2

Summary: This gene encodes a member of the muscleblind protein family which was initially described in *Drosophila melanogaster*. The encoded protein is a C3H-type zinc finger protein that modulates alternative splicing of pre-mRNAs. Muscleblind proteins bind specifically to expanded dsCUG RNA but not to normal size CUG repeats and may thereby play a role in the pathophysiology of myotonic dystrophy. Mice lacking this gene exhibited muscle abnormalities and cataracts. Several alternatively spliced transcript variants have been described but the full-length natures of only some have been determined. The different isoforms are thought to have different binding specificities and/or splicing activities. [provided by RefSeq, Sep 2015]

Product images:



Coomassie blue staining of purified MBNL1 protein (Cat# [TP323216]). The protein was produced from HEK293T cells transfected with MBNL1 cDNA clone (Cat# [RC223216]) using MegaTran 2.0 (Cat# [TT210002]).