

## Product datasheet for **TP323199M**

### **MBNL1 (NM\_207297) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Homo sapiens muscleblind-like (Drosophila) (MBNL1), transcript variant 7, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC223199 representing NM_207297 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAVSVTPIRDTKWLTLEVCREFQRGTC SRPDTECKFAHPSKSCQVENGRVIACFDSLKGRC SRENCKYLH PPPHLKTQLEINGRNNLIQQKNMAMLAQQMQLANAMMPGAPLQVPMF SVAPSLATNASAAAFNPYLG PV SPSLVPAEILPTAPMLVTGNPGVVPAAAAAAAQKLMRTDRLEVCREYQRGNCNRGENDCRFAHPADSTM IDTNDNTVTVCM DYIKGRCSREKCKYFHPPAHLQAKIKAAQYQVNQAAAAQAAATAAAMGIPQAVLPLPLP KRPAL EKTNGATAVFNTGIFQYQQALANMQLQHTAFLPPGSILCMTPATSV DTHNICRTSD  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	36.9 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_997180</a>
<b>Locus ID:</b>	4154



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

RefSeq Size: 5277

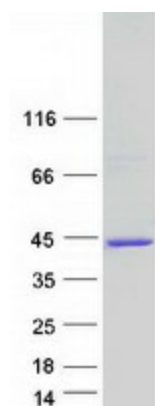
Cytogenetics: 3q25.1-q25.2

RefSeq ORF: 1026

Synonyms: EXP; MBNL

**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 nature 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# [TP323199]). The protein was produced from HEK293T cells transfected with MBNL1 cDNA clone (Cat# [RC223199]) using MegaTran 2.0 (Cat# [TT210002]).