

Product datasheet for PH319704

MBNL1 (NM_207295) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MBNL1 MS Standard C13 and N15-labeled recombinant protein (NP_997178)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219704
Predicted MW:	34 kDa
Protein Sequence:	>RC219704 representing NM_207295 Red =Cloning site Green =Tags(s) MAVSVTPIRDTKWLTLEVCREFRGTCRSDTECKFAHPSKSCQVENGRVIACFDSLKGRCSTRECKYLH PPPHLKTQLEINGRNNLIQQKNMAMLAQQMQLANAMMPGAPLQPVVCREYQRGNCNRGENDCRF AHPADS TMIDTNDNTVTVCMDYIKGRCSREKCKYFHPAHLQAKIKAAQYQVNQAAAAQAAATAAAMGIPQAVLPP LPKRPALEKTNGATAVFNTGIFQYQQALANMQLQHTAFLPPGSILCMT PATSVVPMVHGATPATVSAAT TSATSVPF AATATANQIPIISAEHLTSHKYVTQM 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_997178</u>
RefSeq Size:	5168
RefSeq ORF:	942
Synonyms:	EXP; MBNL
Locus ID:	4154



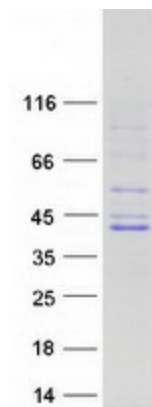
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UniProt ID: [Q9NR56](#), [Q86VM6](#)

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# [TP319704]). The protein was produced from HEK293T cells transfected with MBNL1 cDNA clone (Cat# [RC219704]) using MegaTran 2.0 (Cat# [TT210002]).