

Recombinant Human MBNL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MBNL2-5823H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MBNL2 MS Standard C13 and N15-labeled recombinant protein (NP_997187) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the muscleblind protein family which was initially described in <i>Drosophila melanogaster</i> . This gene encodes 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. Several alternatively spliced transcript variants have been described but the full-length nature of only some have been determined.
Molecular Mass	39.4 kDa
AA Sequence	MALNVAPVRDTKWLTLVCRQFQRGTCSRSDDECKFAHPPKSCQVENGRVIACFD SLKGRCSRENCKYLHPPTHLLKTQLEINGRNNLIQKTAAMLAQQMQFMFGTPLH PVPTFPVGPAIGTNTAISFAPYLAPVTPGVGLVPTTEILPTTPVIVPGSPVTVPGSTAT QKLLRTDKLEVCREFRQGNCCARGTDCRFAHPADSTMIDTSDNTVTVCMYDIKGRG MRECKYFHPPAHLQAKIKAAQHQAQAQAAAAAATVMAFPFGALHPLPKRQ ALEKSNGTSAVFNPVSLHYQQALTSALQQHAAFIPTDENSEIISRNMGMECQESALRIT

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KHCYCTYYPVSSSIELPQTACTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MBNL2 muscleblind-like splicing regulator 2 [Homo sapiens (human)]
Official Symbol	MBNL2
Synonyms	MBNL2; muscleblind-like splicing regulator 2; muscleblind like 2 (Drosophila); muscleblind-like protein 2; MBLL; MBLL39; muscleblind-like 2; muscleblind-like protein 1; muscleblind-like protein-like 39; PRO2032; RP11-128N14.1; MGC120625; MGC120626; MGC120628; DKFZp781H1296;
Gene ID	10150
mRNA Refseq	NM_207304
Protein Refseq	NP_997187
MIM	607327

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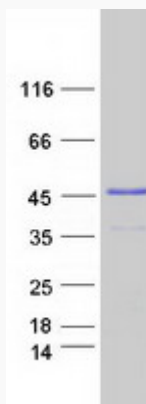
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UniProt ID

Q5VZF2

SDS-PAGE

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