

Recombinant Human MBNL1 protein, MYC/DDK-tagged

Cat. No. MBNL1-524H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MBNL1, transcript variant 6, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a member of the muscleblind protein family which was initially described in <i>Drosophila melanogaster</i>. 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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	36.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	MBNL1 muscleblind-like splicing regulator 1 [Homo sapiens]
Official Symbol	MBNL1
Synonyms	MBNL1; muscleblind-like splicing regulator 1; MBNL, muscleblind (Drosophila) like , muscleblind like (Drosophila); muscleblind-like protein 1; EXP; EXP35; EXP40; EXP42; KIAA0428; triplet-expansion RNA-binding protein; MBNL; DKFZp686P06174;
Gene ID	4154
mRNA Refseq	NM_207296
Protein Refseq	NP_997179
MIM	606516
UniProt ID	Q9NR56
Chromosome Location	3q25
Pathway	Adipogenesis, organism-specific biosystem;
Function	RNA binding; double-stranded RNA binding; metal ion binding; nucleic acid binding; protein binding; zinc ion binding;

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