

## Recombinant Human MBNL1, MYC/DDK-tagged

Cat. No. MBNL1-2738H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length Human MBNL1, transcript variant 7, fused with C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Muscleblind-like (Drosophila), also known as MBNL1, is a protein that in humans is encoded by the MBNL1 gene. It has been implicated in Myotonic dystrophy and has been shown to autoregulate its transcript. Mediates pre-mRNA alternative splicing regulation. Acts either as activator or repressor of splicing on specific pre-mRNA targets. Inhibits cardiac troponin-T (TNNT2) pre-mRNA exon inclusion but induces insulin receptor (IR) pre-mRNA exon inclusion in muscle. Antagonizes the alternative splicing activity pattern of CELF proteins.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	36.9 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

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<b>Gene Name</b>	MBNL1 muscleblind-like splicing regulator 1 [ Homo sapiens ]
<b>Official Symbol</b>	MBNL1
<b>Synonyms</b>	EXP; MBNL; EXP35; EXP40; EXP42; muscleblind-like protein 1; triplet-expansion RNA-binding protein
<b>Gene ID</b>	4154
<b>mRNA Refseq</b>	NM_207297
<b>Protein Refseq</b>	NP_997180
<b>MIM</b>	606516
<b>UniProt ID</b>	Q9NR56
<b>Chromosome Location</b>	3q25
<b>Pathway</b>	Adipogenesis, organism-specific biosystem
<b>Function</b>	RNA binding; double-stranded RNA binding; metal ion binding

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