

Recombinant Human MBNL1, MYC/DDK-tagged

Cat. No. MBNL1-2742H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human MBNL1, transcript variant 3, fused with C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	MBNL1 muscleblind-like splicing regulator 1 [Homo sapiens]
Official Symbol	MBNL1
Synonyms	EXP; MBNL; EXP35; EXP40; EXP42; muscleblind-like protein 1; triplet-expansion RNA-binding protein
Gene ID	4154
mRNA Refseq	NM_207293
Protein Refseq	NP_997176
MIM	606516
UniProt ID	Q9NR56
Chromosome Location	3q25
Pathway	Adipogenesis, organism-specific biosystem
Function	RNA binding; double-stranded RNA binding; metal ion binding