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MBNL1 Protein (Transcript Variant 6) (Myc-DYKDDDDK Tag)

Images



Publication



Overview	
Quantity:	20 μg
Target:	MBNL1
Protein Characteristics:	Transcript Variant 6
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This MBNL1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD), Functional Studies (Func), Protein Interaction (PI)
Product Details	
Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	 Recombinant human MBNL1 (transcript variant 6) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone Tested for bioactivity.
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Biological Activity Comment:	MBNL1 Activity Verified in an mRNA Splicing Assay:,MBNL1 Activity Verified in an mRNA Splicing Assay:
Target Details	

Target Details

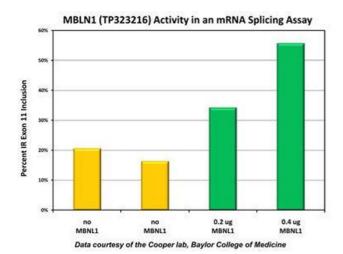
Target: MBNL1

Target Details

Alternative Name:	Mbnl1 (MBNL1 Products)
Background:	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.
Molecular Weight:	36.8 kDa
NCBI Accession:	NP_997179
Pathways:	Ribonucleoprotein Complex Subunit Organization
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
	Protein-protein interaction
	In vitro biochemical assays and cell-based functional assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	> 50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.
Publications	

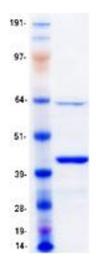
leukemia effect with imatinib by reactivating p53 and inhibiting the AKT/mTOR pathway in Ph+ALL." in: **The Biochemical journal**, Vol. 474, Issue 24, pp. 4153-4170, (2017) (PubMed).

Images



Activity Assay

Image 1. Bioactivity measured with Activity Assay



Western Blotting

Image 2. Validation with Western Blot