

Product datasheet for **RC206275**

CUG BP1 (CELF1) (NM_006560) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUG BP1 (CELF1) (NM_006560) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CUG BP1
Synonyms:	BRUNOL2; CUG-BP; CUGBP; CUGBP1; EDEN-BP; hNab50; NAB50; NAPOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC206275 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGGCACCCCTGGACCACCCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTGGCCAGTTT
 CAAGGACCTGGTCTGAAAAGGACTTGGCGGAACCTTCGAACAGTATGGTCTGTGTATGAAATCAACGT
 CCTAAGGGATAGGAGCCAAAACCCGCTCAGAGCAAAGGGTGTGTTTTGTTACATTTTACACCCGTAAA
 GCTGCATTAGAAGCTCAGAATGCTCTTCAACATGAAAGTCTCCAGGGATGCATCACCTATACAGA
 TGAAACCTGCTGACAGTGAGAAGAAATGCAGTGAAGACAGGAAGCTGTTTATTGGTATGATTTCCAA
 GAAGTGCATGAAAATGACATCCGAGTCATGTTCTCTTCGTTTGGACAGATTGAAGAATGCCGGATATTG
 CGGGGACCTGATGGCCTGAGCCGAGTTGTGCATTTGTGACTTTACAACAAGAGCCATGGCACAGACGG
 CTATCAAGGCAATGCACCAAGCACAGACCATGGAGGGTGTCTCATCACCCATGGTGGTAAAATTTGCTGA
 TACACAGAAGGACAAAGAACAGAAGAGAATGGCCAGCAGCTCCAGCAGCAGATGCAGCAAATCAGCGCA
 GCATCTGTGTGGGAAACCTTGCTGGTCTAAATACTCTTGACCCAGTATTTAGCACTCCTTCAGCAGA
 CTGCCTCCTCTGGGAACCTCAACACCCTGAGCAGCCTCCACCAATGGGAGGGTTGAATGCAATGCAGTT
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 ATTCTGTCAACCCATAGCCTCACTTGGAGCCCTGCAGACATTAGCTGGAGCAACGGCTGGCCTCAATGT
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 AGCACCATGGAGGCCCTCACTCAGGCCACTCGGGTATCCAGCAATATGCTGCTGCTGCCCTCCCACTC
 TGTACAACCAGAATCTTCTGACACAGCAGAGATTGGTGTCTGGAAGCCAGAAGGAAGTCCAGAGGG
 AGCCAACCTGTTTCATCTACCACCTGCCCGAGGAGTTGGTGATCAGGACCTGCTGCAGATGTTTATGCC
 TTTGGGAATGTCGTGCTGCCAAGGTTTTCATAGACAAGCAGACAACCTGAGCAAGTGTGTTTTGTTTTG
 TAAGTTACGACAATCCTGTTTCGGCCAAAGCTGCCATCCAGTCCATGAACGGCTTTCAGATTGGCATGAA
 GCGGCTTAAAGTGCAGCTCAAACGTTCAAGAATGACAGCAAGCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206275 protein sequence
 Red=Cloning site Green=Tags(s)

MNGTLDHPDQPDLDIAIKMFVGVPRWSEKDLRELFQYGAUYEINVLDRSQNPPQSKGCCFVTFYTRK
 AALEAQNALHNMKVLPGMHPIQMKPADSEKNNAVEDRKLFIGMISKKCTENDIRVMFSSFQIEECRIL
 RGPDGLSRGCAFVFTTRAMAQTAIKAMHQAQTMEGCSSPMVVKFADTQKDKERMAQQQLQQMQQISA
 ASVWGNLAGLNTLGPQYLALLQQTASSGNLNTLSSLHPMGLNAMQLQNLAAALAAAASAAQNTPSGTNAL
 TTSSSPLSVLTSSAGSSPSSSSNSVNP.IASLGALQTLGATAGLNVGSLAGMAALNGGLGSSGLSNGTG
 STMEALTQAYSQIQYAAAAALPTLYNQNLTLQQSIGAAGSQKEGPEGANLFIYHLPQEFGDQDLLQMFMP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

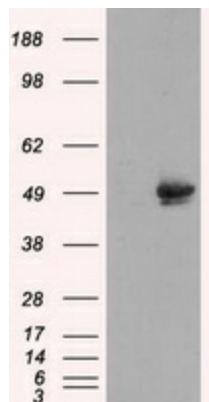
Chromatograms:

https://cdn.origene.com/chromatograms/mk6031_a01.zip

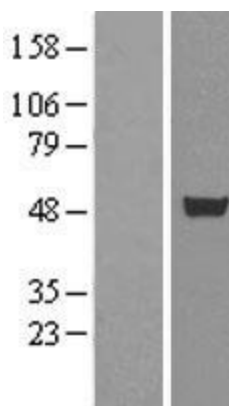
Restriction Sites:

Sgfl-MluI

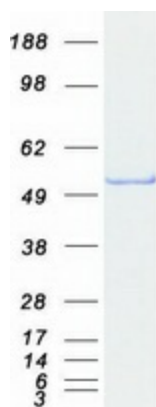
ACCN:	NM_006560
ORF Size:	1449 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_006560.4
RefSeq Size:	4711 bp
RefSeq ORF:	1449 bp
Locus ID:	10658
UniProt ID:	Q92879
Cytogenetics:	11p11.2
Domains:	RRM
Protein Families:	Druggable Genome
MW:	51.6 kDa
Gene Summary:	Members of the CELF/BRUNOL protein family contain two N-terminal RNA recognition motif (RRM) domains, one C-terminal RRM domain, and a divergent segment of 160-230 aa between the second and third RRM domains. Members of this protein family regulate pre-mRNA alternative splicing and may also be involved in mRNA editing, and translation. This gene may play a role in myotonic dystrophy type 1 (DM1) via interactions with the dystrophin myotonic-protein kinase (DMPK) gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:


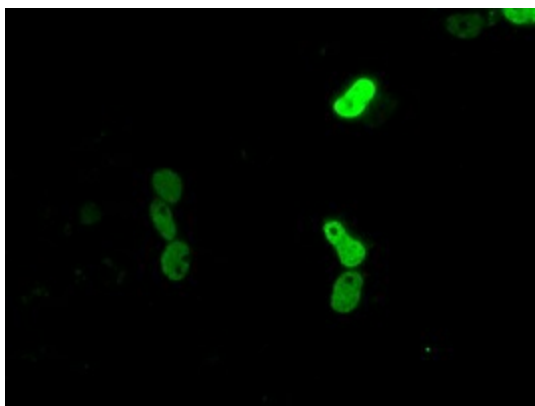
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CUGBP1 (Cat# RC206275, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CUGBP1 (Cat# [TA500951]). Positive lysates [LY401964] (100ug) and [LC401964] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY401964]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206275 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CELF1 protein (Cat# [TP306275]). The protein was produced from HEK293T cells transfected with CELF1 cDNA clone (Cat# RC206275) using MegaTran 2.0 (Cat# [TT210002]).



Anti-CUGBP1 mouse monoclonal antibody ([TA500951]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CUGBP1 (RC206275).