

Product datasheet for **SC124753**

CUG BP1 (CELF1) (NM_198700) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUG BP1 (CELF1) (NM_198700) Human Untagged Clone
Tag:	Tag Free
Symbol:	CELF1
Synonyms:	BRUNOL2; CUG-BP; CUGBP; CUGBP1; EDEN-BP; hNab50; NAB50; NAPOR
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198700, the custom clone sequence may differ by one or more nucleotides

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ATGAACGGCACCCCTGGACCACCCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTGGGCCAGGTTC
CAAGGACCTGGTCTGAAAAGGACTTGCGGGAACTCTCGAACAGTATGGTGTGTGTATGAAATCAACGT
CCTAAGGGATAGGAGCCAAAACCCGCTCAGAGCAAAGGGTGTGTTTTGTTACATTTTACACCCGTAAA
GCTGCATTAGAAGCTCAGAATGCTCTTCACAACATGAAAGTCTCCAGGGATGCATCACCTATACAGA
TGAACCTGCTGACAGTGAGAAGAACAATGCAGTGAAGACAGGAAGCTGTTTATTGGTATGATTTCCAA
GAAGTGCATGAAAATGACATCCGAGTCATGTTCTCTTCGTTTGGACAGATTGAAGAATGCCGGATTG
CGGGGACCTGATGGCCTGAGCCGAGGTTGTGCATTTGTGACTTTTACAACAAGAGCCATGGCACAGACGG
CTATCAAGGCAATGCACCAAGCAGACACCATGGAGGGTTGCTCATCACCCATGGTGGTAAAAATTTGCTGA
TACACAGAAGGACAAAGAACAGAAGAGAATGGCCAGCAGCTCCAGCAGCAGATGCAGCAAATCAGCGCA
GCATCTGTGTGGGAAACCTTGTGGTCTAAATACTCTTGAGCCCAAGTATTTAGCACTCCTTCAGCAGA
CTGCCTCCTCTGGGAACCTCAACACCTGAGCAGCCTCCACCAATGGGAGGGTTGAATGCAATGCAGTT
ACAGAATTTGGCTGCACTAGCTGCTGCAGCTAGTGCAGCTCAGAACACACCAAGTGGTACCAATGCCTC
ACTACATCCAGCAGTCCCCTCAGCGTGCTCACTAGTTCAGCAGGGTCTCACCTAGCTCAGCAGCAGTA
ATTCTGTCAACCCATAGCCTCACTTGGAGCCCTGCAGACATTAGCTGGAGCAACGGCTGGCCTCAATGT
TGGCTCTTTGGCAGGAATGGCTGCTTTAAATGGTGGCCTGGGCAGCAGTGGCCTTTCCAATGGCACCCGG
AGCACCATGGAGGCCCTCACTCAGGCCTACTCGGGTATCCAGCAATATGCTGCTGCTGCGCTCCCCACTC
TGTACAACCAGAACTCTTCTGACACAGCAGAGTATTGGTGTGCTGGAAGCCAGAAGGAAGTCCAGAGGG
AGCCAACCTGTTTCATCTACCACCTGCCAGGAGTTTGGTGTGCTGGAAGCCAGAAGGAAGTCCAGAGGG
TTTGGGAATGTCGTGCTGCCAAGGTTTTCATAGACAAGCAGACAACCTGAGCAAGTGTTTTGGTTTTG
TAAGTTACGACAATCCTGTTTCGGCCAAAGCTGCCATCCAGTCCATGAACGGCTTTCAGATTGGCATGAA
GCGGCTTAAAGTGCAGCTCAAACGTTTCAAGAATGACAGCAAGCCCTACTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198700 unedited ATATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCAAAGAAA ATGAACGGCACCCCTGGACCACCCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTG GGCCAGGTTCCAAGGACCTGGTCTGAAAAGGACTTGCGGGAACCTTCGAACAGTATGGT GCTGTGTATGAAATCAACGTCTAAGGGATAGGAGCCAAAACCCGCCTCAGAGCAAAGGG TGCTGTTTTGTTACATTTTACACCCGTAAGCTGCATTAGAAGCTCAGAATGCTCTTAC AACATGAAAGTCCTCCAGGGATGCATCACCCATACAGATGAAACCTGCTGACAGTGAG AAGAACAATGCAGTGGAAGACAGGAAGCTGTTTATTGGTATGATTCCAAGAAGTCACT GAAAATGACATCCGAGTCATGTTCTCTTCGTTTGACAGATTGAAGAATGCCGGATATTG CGGGGACCTGATGGCCTGAGCCGAGTTGTGCATTTGTGACTTTTACAACAAGAGCCATG GCACAGACGGCTATCAAGGCAATGCACCAAGCACAGAACCATGGAGGGTTGCTCATCACC CATGGTGGTAAAATTTGCTGATACACAGAAGGACAAAGAACAGAGAATGGCCAGCA GCTCCAGCAGCAGATGCAGCAAATCAGCGCAGCATTCTGTGTGGGAAACCTTGCTGGTC TAAATACTCTTGGACCCAGTATTTAGCACTTTATTTGCAGCTTCTTCAGCAGACTGCCT CCTCTGGGAACCCTCACACCTGAGCAGNCTCCACCATGGGGGAGGGNTGAATGCATGCAG TACAGAATTTGGCTGCACTAACTGCTGCAGCTAGTGCAGCTCAGACACAACCAAGTG
Restriction Sites:	NotI-NotI
ACCN:	NM_198700
Insert Size:	3370 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_198700.1 , NP_941989.1
RefSeq Size:	2206 bp
RefSeq ORF:	1452 bp
Locus ID:	10658
UniProt ID:	Q92879
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome

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]

Transcript Variant: This variant (2) uses a different segment for its 5' UTR and a different internal splice site in its coding region, compared to variant 1. The resulting isoform (2) has an additional internal amino acid compared to isoform 1.