

Product datasheet for **SC128043**

CUG BP1 (CELF1) (NM_006560) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUG BP1 (CELF1) (NM_006560) Human Untagged Clone
Tag:	Tag Free
Symbol:	CUG BP1
Synonyms:	BRUNOL2; CUG-BP; CUGBP; CUGBP1; EDEN-BP; hNab50; NAB50; NAPOR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC128043 sequence for NM_006560 edited (data generated by NextGen Sequencing)

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ATGAACGGCACCCTGGACCACCCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTG
GGCCAGGTTCCAAGGACCTGGTCTGAAAAGGACTTGCGGGAACCTTTCGAACAGTATGGT
GCTGTGTATGAAATCAACGTCTTAAGGGATAGGAGCCAAAACCCGCCTCAGAGCAAAGGG
TGCTGTTTTGTTACATTTTACACCCGTAAGGCTGCATTAGAAGCTCAGAATGCTCTTCAC
AACATGAAAGTCTCCAGGGATGCATCACCTATACAGATGAAACCTGCCTGACAGTGGAG
AAGAACAATGCAGTGGAAGACAGGAAGCTGTTTATTGGTATGATTCCAAGAAAGTCACT
GAAAATGACATCCGAGTCATGTTCTCTTCGTTTGACAGATTGAAGAATGCCGGATATTG
CGGGGACCTGATGGCCTGAGCCGAGGTTGTGCATTTGTGACTTTTACAACAAGAGCCATG
GCACAGACGGCTATCAAGGCAATGCACCAAGCACAGACCATGGAGGGTTGCTCATCACCC
ATGGTGGTAAAATTTGCTGATACACAGAAGGACAAAGAACAGAAGAGAATGGCCAGCAG
CTCCAGCAGCAGATGCAGCAAATCAGCGCAGCATCTGTGTGGGAAACCTTGCTGGTCTA
AATACTCTTGACCCAGCATTTAGCACTCCTTCAGCAGACTGCCTCCTCTGGGAACCTC
AACACCCTGAGCAGCCTCCACCAATGGGAGGGTTGAATGCAATGCAGTTACAGAATTTG
GCTGCACTAGCTGCTGCAGCTAGTGCAGCTCAGAACACACCAAGTGGTACCAATGCCTC
ACTACATCCAGCAGTCCCCTCAGCGTGCTCACTAGTTCAGGGTCCCTCACCTAGCTTAGC
AGCAGTAATTCTGTCAACCCCATAGCCTCACTTGAGCCCTGCAGACATTAGCTGGAGCA
ACGGCTGGCCTCAATGTTGGCTCTTTGGCAGGAATGGCTGCTTTAAATGGTGGCCTGGGC
AGCAGTGGCCTTTCCAATGGCACCGGGAGCACCATGGAGGCCCTCACTCAGGCCTACTCG
GGTATCCAGCAATATGCTGCTGCTGCGCTCCCCACTCTGTACAACCAGAATCTTCTGACA
CAGCAGAGTATTGGTGTCTGCTGGAAGCCAGAAGGAAGTCCAGAGGGAGCCAACCTGTTT
ATCTACCACCTGCCCCAGGAGTTTGGTGATCAGGACCTGCTGCAGATGTTTATGCCCTTT
GGGAATGTCGTGTCTGCCAAGGTTTTTCATAGACAAGCAGACAAAACCTGAGCAAGTGT
GGTTTTGTAAGTTACGACAATCCTGTTTTCGGCCCAAGCTGCCATCCAGTCCATGAACGGC
TTTCAGATTGGCATGAAGCGGCTTAAAGTGCAGCTCAAACGTTTGAAGAATGACAGCAAG
CCCTACTGA
    
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Clone variation with respect to NM_006560.3
679 t=>c

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006560 unedited
GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGGCGGCAGCGGCAGC
GGCGGGCGGACGCGGAGGCTCCCCGGGATTCGGCCTCAGCAGCGAGGCGGCGGCGGCGG
CTGCGGAGGCGCAGGCAGCAACTGAGGCAGCGGCAGGCTCAGGTGCAGCCGCTGGCTGGA
GTGCAGTGGTGTGTTCTCAGCTCTGCAGCCCCGCTTCCCAGGTTCAAGTAACTGCCTCA
GCCTTCTGAGTAGCTGGGATTACAGGTGTGCACCACCACGCCAGGCTGAACATAAATTC
TTTTTTTCAAAGTTCCCTGTGTTGTGAAGTGAAGTGGGTGAAGTGAAGTCAATTTGAGGAA
GCTAAAGCTGTGTGATTTGTGGATCAGACAAGTGCAGCAAGTTAATATCATTGGCTTCT
GAAGGGGAGAGTGAGGTGATGGCTGCGTTTAAAGTTGGATTTCTTCCAGAAATGATGGTG
GATCATTGCTCTTTGAATTCAGTCCCCTCTCAAAGAAAATGAACGGCACCCCTGGACCAC
CCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTGGCCAGGTTCCAAGGACCTGG
TCTGAAAAGGACTTGCGGAACTCTTCGAACAGTATGGTGTGTGATGAAATCAACGTC
CTAAGGGATAGGAGCCAAAACCCGCTCAGACANAGGGTGTGTTTTGTTACATTTTACA
NCCCGTAAGCTGCATTAGAAGCTCAGAATGCTCTTCACACATGAAAGTCCCTCCAGGATG
CATCACCTATACAGATGANACCTGCTGACAGTGAGAAGAACAATGCAGTGGNAAGACAG
AAAGCTGTTNATTGGTATGANTTCCCAGAAGTGCAGTANAATGACATNCCGAGTCAATG
CTCTTCGTTNGGAANNATGAANAATGCCGNATATTTGCGGGACCTGATGGCCTC
    
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3' Read Nucleotide Sequence:	>OriGene 3' genomic read for NM_006560 unedited GTACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTATTTTTATTTTTG CATTATTTAAAAAATCCCATCATGACCCTGGAAGCCTTTAGAACAGTTTTATCCTTTGA AACACAGGACACATTTCTCCAGTGCGCAGAATTTCAAGTTTACGTGGTTCAGCTTAAGA AGTGTATGTTTCAGTTCCTTAGAGGACAACAGACCCAAGTTATCACTATGAGAAAGGAA CAGCTGTCCAGCTTCAATGGGATAATCCAACACCACCAGCTACCTGTACAACAGTAAGA TGGTCAATCCCTGTCTGTTACCCACAGGGACAGCATGACAAGGAGAGAGCCCCCATCTGA CTTAATAGCAAACAACCCCTTTATTCTTATCTCTGCTAGGGTCAAGACTGGTATT TGTTGAGGTTTCAGATTCAGAGACCCAGGGATCCCATCCCTGGCTGTGGCTACAGTCA CATCTTAACAGGGCCACCTCTGCCAGGTGTACATTCCCAACAGCATGTCCTTCTCGTT CTCTACCCCCACAGCACTTCTTAGAGCACAGGCCGAGCCACAAGCTGTGTGGGTACAG GCAAGAGCTGAAGTAAGACCTGCAAGAGCGGCAGGGAGCTAACTGTACCACGAGCACAA AACGACCCGGTTACTGAGGTAACGAACACTCACTTCATGCGGAGGCTGGCAACGCC TGATGTTCCCTCTGCCTCAGAGCAAACAAGGGATTGGAGTGTTCGGAAGGCCCTGCCA CACCCCTGGGAAATCTACTCTGGGCACCTAATTAACGAGGCAGGGAAACCTCTGGCACT GGCACCGACCCTCTGTTTCGCCGACCCTCGGTTAAGTCCCCAAAAAACCCCTCC CATACAGGTTTCGGCCCTCCCCAACGCCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_006560
Insert Size:	3780 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_006560.2 , NP_006551.1
RefSeq Size:	2157 bp
RefSeq ORF:	1449 bp
Locus ID:	10658
UniProt ID:	Q92879
Cytogenetics:	11p11.2
Domains:	RRM

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 dystrophia myotonica-protein kinase (DMPK) gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) is the predominant transcript and it encodes isoform 1.