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Product datasheet for SC302424

CUG BP1 (CELF1) (NM_001025596) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUG BP1 (CELF1) (NM_001025596) Human Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001025596, the custom clone sequence may differ by one or more nucleotides

ATGAACGGCACCCTGGACCACCCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTGGGCCAGGTTC
CAAGGACCTGGTCTGAAAAGGACTTGCGGGAACTCTTCGAACAGTATGGTGCTGTGTATGAAATCAACGT
CCTAAGGGATAGGAGCCAAAACCCGCCTCAGAGCAAAGGGTGCTGTTTTGTTACATTTTACACCCGTAAA
GCTGCATTAGAAGCTCAGAATGCTCTTCACAACATGAAAGTCCTCCCAGGGATGCATCACCCTATACAGA
TGAAACCTGCTGACAGTGAGAAGAACAATGCAGTGGAAGACAGGAAGCTGTTTATTGGTATGATTTCCAA
GAAGTGCACTGAAAATGACATCCGAGTCATGTTCTCTTCGTTTGGACAGATTGAAGAATGCCGGATATTG
CGGGGACCTGATGGCCTGAGCCGAGGTTGTGCATTTGTGACTTTTACAACAAGAGCCATGGCACAGACGG
CTATCAAGGCAATGCACCAAGCACAGACCATGGAGGGTTGCTCATCACCCATGGTGGTAAAATTTGCTGA
TACACAGAAGGACAAAGAACAGAAGAGAATGGCCCAGCAGCTCCAGCAGCAGATGCAGCAAATCAGCGCA
GCATCTGTGTGGGGAAACCTTGCTGGTCTAAATACTCTTGGACCCCAGTATTTAGCACTTTATTTGCAGC
TCCTTCAGCAGACTGCCTCCTCTGGGAACCTCAACACCCTGAGCAGCCTCCACCCAATGGGAGGGTTGAA
TGCAATGCAGTTACAGAATTTGGCTGCACTAGCTGCTGCAGCTAGTGCAGCTCAGAACACACCAAGTGGT
ACCAATGCTCTCACTACATCCAGCAGTCCCCTCAGCGTGCTCACTAGTTCAGGGTCCTCACCTAGCTCTA
GCAGCAGTAATTCTGTCAACCCCATAGCCTCACTTGGAGCCCTGCAGACATTAGCTGGAGCAACGGCTGG
CCTCAATGTTGGCTCTTTGGCAGGAATGGCTGCTTTAAATGGTGGCCTGGGCAGCAGTGGCCTTTCCAAT
GGCACCGGGAGCACCATGGAGGCCCTCACTCAGGCCTACTCGGGTATCCAGCAATATGCTGCTGCTGCGC
TCCCCACTCTGTACAACCAGAATCTTCTGACACAGCAGAGTATTGGTGCTGCTGGAAGCCAGAAGGAAGG
TCCAGAGGGAGCCAACCTGTTCATCTACCACCTGCCCCAGGAGTTTGGTGATCAGGACCTGCTGCAGATG
TTTATGCCCTTTGGGAATGTCGTGTCTGCCAAGGTTTTCATAGACAAGCAGACAAACCTGAGCAAGTGTT
TTGGTTTTGTAAGTTACGACAATCCTGTTTCGGCCCAAGCTGCCATCCAGTCCATGAACGGCTTTCAGAT
TGGCATGAAGCGGCTTAAAGTGCAGCTCAAACGTTCGAAGAATGACAGCAAGCCCTACTGA

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Restriction Sites:	Please inquire
ACCN:	NM_001025596
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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_001025596.1, NP_001020767.1
RefSeq Size:	2024 bp
RefSeq ORF:	1461 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 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 (3) uses a different splice site in its coding region compared to variant 1. The resulting isoform (3) has 4 additional internal amino acids compared to isoform 1.