OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG221943

CUG BP1 (CELF1) (NM_198700) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUG BP1 (CELF1) (NM_198700) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CUG BP1
Synonyms:	BRUNOL2; CUG-BP; CUGBP; CUGBP1; EDEN-BP; hNab50; NAB50; NAPOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG221943 representing NM_198700
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACGGCACCCTGGACCACCCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTGGGCCAGGTTC
CAAGGACCTGGTCTGAAAAGGACTTGCGGGAACTCTTCGAACAGTATGGTGCTGTGTATGAAATCAACGT
CCTAAGGGATAGGAGCCAAAACCCGCCTCAGAGCAAAGGGTGCTGTTTTGTTACATTTTACACCCGTAAA
GCTGCATTAGAAGCTCAGAATGCTCTTCACAACATGAAAGTCCTCCCAGGGATGCATCACCCTATACAGA
TGAAACCTGCTGACAGTGAGAAGAACAATGCAGTGGAAGACAGGAAGCTGTTTATTGGTATGATTTCCAA
GAAGTGCACTGAAAATGACATCCGAGTCATGTTCTCTTCGTTTGGACAGATTGAAGAATGCCGGATATTG
CGGGGACCTGATGGCCTGAGCCGAGGTTGTGCATTTGTGACTTTTACAACAAGAGCCATGGCACAGACGG
CTATCAAGGCAATGCACCAAGCACAGACCATGGAGGGTTGCTCATCACCCATGGTGGTAAAATTTGCTGA
TACACAGAAGGACAAAGAACAGAAGAGAATGGCCCAGCAGCTCCAGCAGCAGATGCAGCAAATCAGCGCA
GCATCTGTGTGGGGAAACCTTGCTGGTCTAAATACTCTTGGACCCCAGTATTTAGCACTCCTTCAGCAGA
CTGCCTCCTCTGGGAACCTCAACACCCTGAGCAGCCTCCACCCAATGGGAGGGTTGAATGCAATGCAGTT
ACAGAATTTGGCTGCACTAGCTGCTGCAGCTAGTGCAGCTCAGAACACACCAAGTGGTACCAATGCTCTC
ACTACATCCAGCAGTCCCCTCAGCGTGCTCACTAGTTCAGCAGGGTCCTCACCTAGCTCTAGCAGCAGTA
ATTCTGTCAACCCCATAGCCTCACTTGGAGCCCTGCAGACATTAGCTGGAGCAACGGCTGGCCTCAATGT
TGGCTCTTTGGCAGGAATGGCTGCTTTAAATGGTGGCCTGGGCAGCAGTGGCCTTTCCAATGGCACCGGG
AGCACCATGGAGGCCCTCACTCAGGCCTACTCGGGTATCCAGCAATATGCTGCTGCTGCGCTCCCCACTC
TGTACAACCAGAATCTTCTGACACAGCAGAGTATTGGTGCTGCTGGAAGCCAGAAGGAAGGTCCAGAGGG
AGCCAACCTGTTCATCTACCACCTGCCCCAGGAGTTTGGTGATCAGGACCTGCTGCAGATGTTTATGCCC
TTTGGGAATGTCGTGTCTGCCAAGGTTTTCATAGACAAGCAGACAAACCTGAGCAAGTGTTTTGGTTTTG
TAAGTTACGACAATCCTGTTTCGGCCCAAGCTGCCATCCAGTCCATGAACGGCTTTCAGATTGGCATGAA
GCGGCTTAAAGTGCAGCTCAAACGTTCGAAGAATGACAGCAAGCCCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

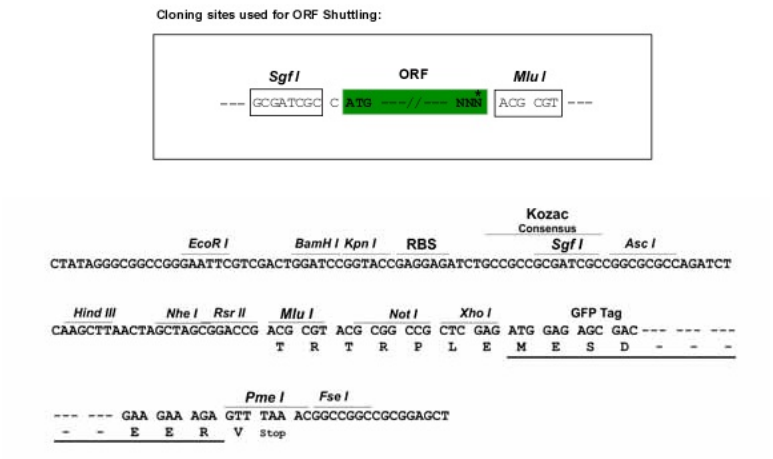
>RG221943 representing NM_198700
Red=Cloning site Green=Tags(s)

MNGTLDHPDQPDLDAIKMFVGQVPRTWSEKDLRELFEQYGAVYEINVLRDRSQNPPQSKGCCFVTFYTRK
AALEAQNALHNMKVLPGMHHPIQMKPADSEKNNAVEDRKLFIGMISKKCTENDIRVMFSSFGQIEECRIL
RGPDGLSRGCAFVTFTTRAMAQTAIKAMHQAQTMEGCSSPMVVKFADTQKDKEQKRMAQQLQQQMQQISA
ASVWGNLAGLNTLGPQYLALLQQTASSGNLNTLSSLHPMGGLNAMQLQNLAALAAAASAAQNTPSGTNAL
TTSSSPLSVLTSSAGSSPSSSSSNSVNPIASLGALQTLAGATAGLNVGSLAGMAALNGGLGSSGLSNGTG
STMEALTQAYSGIQQYAAAALPTLYNQNLLTQQSIGAAGSQKEGPEGANLFIYHLPQEFGDQDLLQMFMP
FGNVVSAKVFIDKQTNLSKCFGFVSYDNPVSAQAAIQSMNGFQIGMKRLKVQLKRSKNDSKPY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



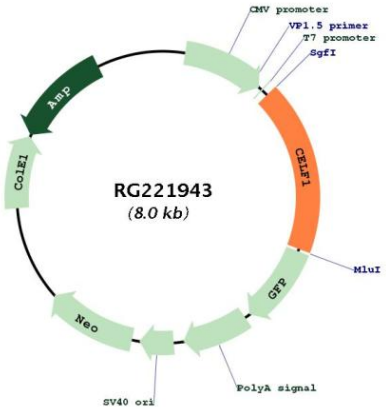
ACCN:	NM_198700
ORF Size:	1449 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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:	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_198700.3
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 dystrophia myotonica-protein kinase (DMPK) gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG221943