

Product datasheet for **RG230163**

CUG BP1 (CELF1) (NM_001172640) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUG BP1 (CELF1) (NM_001172640) 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)



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ORF Nucleotide Sequence:

>RG230163 representing NM_001172640
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACGGCACCCCTGGACCACCCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTGGCCAGGTTCC
 CAAGGACCTGGTCTGAAAAGGACTTGCGGGAACCTTCGAACAGTATGGTCTGTGTATGAAATCAACGT
 CCTAAGGGATAGGAGCCAAAACCCGCTCAGAGCAAAGGGTGTGTTTTGTTACATTTTACACCCGTAAA
 GCTGCATTAGAAGCTCAGAATGCTCTTCAACATGAAAGTCTCCAGGGATGCATCACCTATACAGA
 TGAAACCTGCTGACAGTGAGAAGAACAATGTGGAAGACAGGAAGCTGTTTATTGGTATGATTTCCAAGAA
 GTGCACTGAAAATGACATCCGAGTCATGTTCTCTCGTTTGGACAGATTGAAGAATGCCGGATATTGCGG
 GGACCTGATGGCCTGAGCCGAGTTGTGCATTTGTGACTTTACAACAAGAGCCATGGCACAGACGGCTA
 TCAAGGCAATGCACCAAGCACAGACCATGGAGGGTTGCTCATACCCATGGTGGTAAAATTTGCTGATAC
 ACAGAAGGACAAAGAACAGAAGAGAATGGCCAGCAGCTCCAGCAGCAGATGCAGCAAATCAGCGCAGCA
 TCTGTGTGGGAAACCTTGTCTGTTAAATACTCTTGGACCCAGTATTTAGCACTTTATTTGCACTCC
 TTCAGCAGACTGCCTCCTCTGGGAACCTCAACACCTGAGCAGCTCCACCCAATGGGAGGGTTGAATGC
 AATGCAGTTACAGAAATTTGGCTGCACTAGCTGCTGAGCTAGTGCAGCTCAGAACACACCAAGTGGTACC
 AATGCTCTCACTACATCCAGCAGTCCCCTCAGCGTGTCTACTAGTTTACGGTCTCACCTAGCTCTAGCA
 GCAGTAATTCTGTCAACCCCATAGCCTCACTTGGAGCCCTGCAGACATTAGCTGGAGCAACGGCTGGCCT
 CAATGTTGGCTCTTTGGCAGGAATGGCTGCTTTAAATGGTGGCCTGGGCAGCAGTGGCCTTTCCAATGGC
 ACCGGGAGCACCATGGAGGCCCTCACTCAGGCCACTCGGGTATCCAGCAATATGCTGCTGCTGCCCTCC
 CCCTCTGTACAACCAGAATCTTCTGACACAGCAGAGTATTGGTGTGCTGGAAGCCAGAAGGAAGTCC
 AGAGGGAGCCAACTGTTTCATCTACCACCTGCCAGGAGTTTGGTGTATCAGGACCTGCTCAGATGTTT
 ATGCCCTTTGGGAATGTCGTGTCTGCCAAGTTTTCATAGACAAGCAGACAAACCTGAGCAAGTGTTTTG
 GTTTTGAAGTTACGACAATCTGTTTCGGCCCAAGCTGCCATCCAGTCCATGAACGGCTTTTCAAGTTGG
 CATGAAGCGGCTTAAAGTGCAGCTCAAACGTTTCAAGAATGACAGCAAGCCCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230163 representing NM_001172640
 Red=Cloning site Green=Tags(s)

MNGTLDHPDQPDLDIAIKMFVQVPRTWSEKDLRELFQYGAUYEINVLDRSQNPPQSKGCCFVTFYTRK
 AALEAQNALHNMKVLPGMHPIQMKPADSEKNNVEDRKLFIGMISKKCTENDIRVMFSSFGQIEECRILR
 GPDGLSRGCAVTFTRAMAQTAIKAMHQAQTMEGCSPMVVVFADTQKDKQKQKMAQQQLQQMQQISAA
 SVWGNLAGLNTLGPQYLALYLQLLQQTASSGNLNTLSSLHPMGGLNAMQLQNLAAALAAAAAAQNTPSGT
 NALTTSSPLSVLTSSGSSPSSSSNSVNPISLALGALQTLAGATAGLNVGSLAGMAALNGGLGSSGLSNG
 TGSTMEALTQAYSIGIQQYAAAALPTLYNQNLTTQQSIGAAGSQKEGPEGANLFIYHLPQEFQDQDLLQMF
 MPFGNVVSAKVFIDKQTNLSKCFGVSYDNPVSAQAAIQSMNGFQIGMKRLKVQLKRSKNDKSKPY

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001172640

ORF Size: 1455 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_001172640.2](#)

RefSeq Size: 7682 bp

RefSeq ORF: 1458 bp

Locus ID: 10658

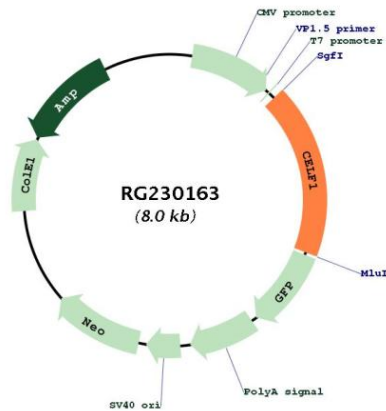
UniProt ID: [Q92879](#)

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 RG230163