

Product datasheet for **RC225831**

BRUNOL4 (CELF4) (NM_001025087) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRUNOL4 (CELF4) (NM_001025087) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRUNOL4
Synonyms:	BRUNOL4; CELF-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC225831 representing NM_001025087
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACCAACGGGCTCG
 GCAGCAGCCCGGCAGTCCCGGCACATGAACGGATTAAGCCACAGCCCGGGAAACCGTCGACCATTCC
 CATGAAGGACCACGATGCCATCAAGCTGTTTCATTGGGCAGATCCCCGCAACCTGGATGAGAAGGACCTC
 AAGCCCTCTTCGAGGAGTTTGGCAAACTACGAGCTTACGGTCTGAAGGACAGGTTACAGGCATGC
 ACAAAGGCTGCGCCTTCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCAGAGCGCGCTGCACGA
 GCAGAAGACTCTGCCCGGATGAACCGGCCATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGGT
 AGTAGCTGCCTGCGCCAGCCCCCTTACAAGATAGAAACTCTTCGTGGGCATGCTCAACAAGCAACAGT
 CCGAGGACGACGTGCGCCGCTTTTCGAGGCCTTTGGAAACATCGAGGAGTGACCATCCTGCGCGGGCC
 CGACGGCAACAGCAAGGGGTGCGCCTTTGTGAAGTACTCTCCACGCCGAGGCGCAGGCCGCCATCAAC
 GCGCTACACGGCAGCCAGACCATGCCGGAGCCTCGTCCAGTCTGGTGGTCAAGTTCGCCGACACCGACA
 AGGAGCGCACGATGCGGCGAATGCAGCAGATGGCTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCC
 TTTGCGGGCTACGGCGCCTACGCTCAGGCAATGCAGCAGCAAGCGGCCCTGATGGCATCAGTCGCGCAG
 GGCGGCTACCTGAACCCCATGGCTGCCTTCGCTGCCGCCAGATGCAGCAGATGGCGGCCCTCAACATGA
 ATGGCCTGGCGGCCGACCTATGACCCCAACCTCAGGTGGCAGCACCCCTCCGGGCATCACTGCACCAGC
 CGTGCTAGCATCCCATCCCCATTGGGGTGAATGGCTTACCGGCCCTCCCCACAGGCCAATGGGCAA
 CCTGCTGCGGAAGCTGTGTTTCGCAATGGCATCCACCCCTACCCAGCACAGAGCCCCACCGCCGCGGACC
 CCCTGCAGCAGGCTACGCCGGAGTGCAGCAGTATGCAGGTCCAGCTGCCTACCTGCTGCTATGGTCA
 GATAAGCCAGGCCTTTCCTCAGCCGCTCCAATGATCCCCAGCAGCAGAGAGAAGGGGCCGAGGGCTGT
 AACCTGTTTCATCTACCATCTGCCCCAGGAGTTTGGGGACGCTGAGCTGATGCAGATGTTCTCCCTTTCG
 GCTTCGTGAGCTTCGACAACCCGGCCAGCGCGCAGACCGCCATCCAGGCCATGAACGGCTTCCAGATCGG
 CATGAAGAGGCTCAAGGTGCAGCTGAAGCGGCCCAAGACGCCAATCGCCCGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225831 representing NM_001025087
 Red=Cloning site Green=Tags(s)

MYIKMATLANGQADNASLSTNGLSSSPGSAGHMNGLSHSPGNPSTIPMKDHDAIKLFIGQIPRNLDEKDL
 KPLFEFEGKIYELTVLKDRFTGMHKGCAFLTYCERESALKAQSALHEQKTLPGMNRPIQVKPADSESRRG
 SSCLRQPPSQDRKLFVGM LNKQSEDDVRRLEAFGNIEECTILRGPDGNSKGCFAVKYSSHAEQAIAIN
 ALHGSQTMPGASSLVVKFADTDKERTMRRMQMAGQMGFMNPMIIPFGAYGAYAQMQQQAALMASVAQ
 GGYLNPMAAFAAAQMQMAALNMNGLAAAPMPTPTSGGSTPPGITAPAVPSIPSPIGVNGFTGLPPQANGQ
 PAAEAVFANGIHPYPAQSPTAADPLQAYAGVQYAGPAAYPAAYGQISQAFPQPPMIPQQQREGPEGC
 NLFYIHLPEFGDAELMQMFLPFVGFVFDNPASAQTAIQAMNGFQIGMKRLKVQLKRPKDANRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8100_h12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001025087

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_001025087.2](#)

RefSeq Size: 4067 bp

RefSeq ORF: 1458 bp

Locus ID: 56853

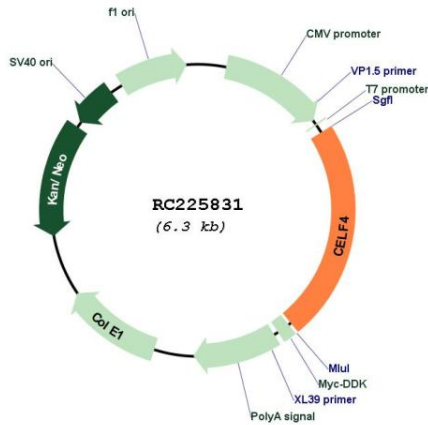
UniProt ID: [Q9BZC1](#)

Cytogenetics: 18q12.2

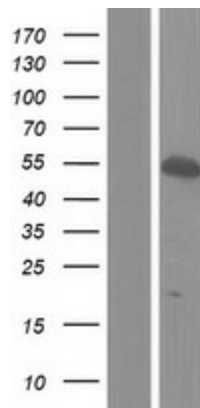
MW: 51.9 kDa

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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC225831



Western blot validation of overexpression lysate (Cat# [LY425479]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225831 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).