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 RC225736

BRUNOL4 (CELF4) (NM_001025089) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRUNOL4 (CELF4) (NM_001025089) 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)

View online »

ORF Nucleotide Sequence:

>RC225736 representing NM_001025089
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACCAACGGGCTCG
GCAGCAGCCCGGGCAGTGCCGGGCACATGAACGGATTAAGCCACAGCCCGGGGAACCCGTCGACCATTCC
CATGAAGGACCACGATGCCATCAAGCTGTTCATTGGGCAGATCCCCCGCAACCTGGATGAGAAGGACCTC
AAGCCCCTCTTCGAGGAGTTTGGCAAAATCTACGAGCTTACGGTTCTGAAGGACAGGTTCACAGGCATGC
ACAAAGGCTGCGCCTTCCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCCAGAGCGCGCTGCACGA
GCAGAAGACTCTGCCCGGGATGAACCGGCCGATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGAA
GATAGAAAACTCTTCGTGGGCATGCTCAACAAGCAACAGTCCGAGGACGACGTGCGCCGCCTTTTCGAGG
CCTTTGGGAACATCGAGGAGTGCACCATCCTGCGCGGGCCCGACGGCAACAGCAAGGGGTGCGCCTTTGT
GAAGTACTCCTCCCACGCCGAGGCGCAGGCCGCCATCAACGCGCTACACGGCAGCCAGACCATGCCGGGA
GCCTCGTCCAGTCTGGTGGTCAAGTTCGCCGACACCGACAAGGAGCGCACGATGCGGCGAATGCAGCAGA
TGGCTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCCTTTCGGGGCCTACGGCGCCTACGCTCAGGC
ACTGATGCAGCAGCAAGCGGCCCTGATGGCATCAGTCGCGCAGGGCGGCTACCTGAACCCCATGGCTGCC
TTCGCTGCCGCCCAGATGCAGCAGATGGCGGCCCTCAACATGAATGGCCTGGCGGCCGCACCTATGACCC
CAACCTCAGGTGGCAGCACCCCTCCGGGCATCACTGCACCAGCCGTGCCTAGCATCCCATCCCCCATTGG
GGTGAATGGCTTCACCGGCCTCCCCCCACAGGCCAATGGGCAACCTGCTGCGGAAGCTGTGTTCGCCAAT
GGCATCCACCCCTACCCAGCACAGAGCCCCACCGCCGCGGACCCCCTGCAGCAGGCCTACGCCGGAGTGC
AGCAGTATGCAGGTCCAGCTGCCTACCCTGCTGCCTATGGTCAGATAAGCCAGGCCTTTCCTCAGCCGCC
TCCAATGATCCCCCAGCAGCAGAGAGAAGGCTTCGTGAGCTTCGACAACCCGGCCAGCGCGCAGACCGCC
ATCCAGGCCATGAACGGCTTCCAGATCGGCATGAAGAGGCTCAAGGTGCAGCTGAAGCGGCCCAAAGACG
CCAATCGCCCGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

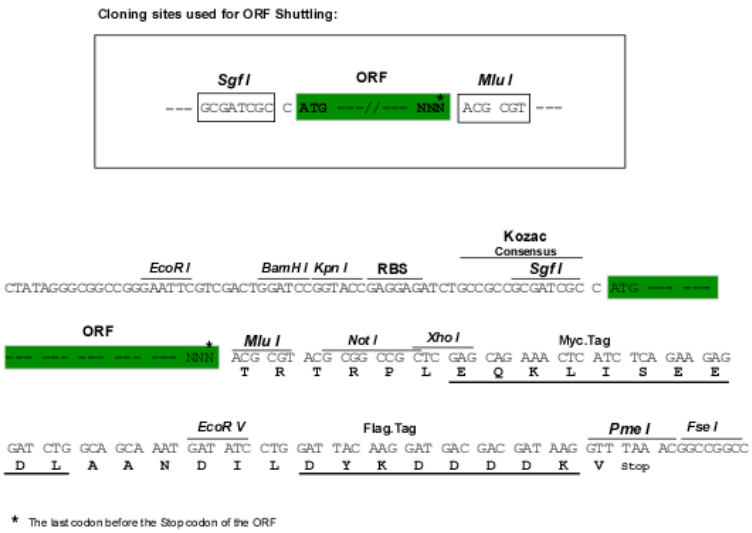
>RC225736 representing NM_001025089
Red=Cloning site Green=Tags(s)

MYIKMATLANGQADNASLSTNGLGSSPGSAGHMNGLSHSPGNPSTIPMKDHDAIKLFIGQIPRNLDEKDL
KPLFEEFGKIYELTVLKDRFTGMHKGCAFLTYCERESALKAQSALHEQKTLPGMNRPIQVKPADSESRGE
DRKLFVGMLNKQQSEDDVRRLFEAFGNIEECTILRGPDGNSKGCAFVKYSSHAEAQAAINALHGSQTMPG
ASSSLVVKFADTDKERTMRRMQQMAGQMGMFNPMAIPFGAYGAYAQALMQQQAALMASVAQGGYLNPMAA
FAAAQMQQMAALNMNGLAAAPMTPTSGGSTPPGITAPAVPSIPSPIGVNGFTGLPPQANGQPAAEAVFAN
GIHPYPAQSPTAADPLQQAYAGVQQYAGPAAYPAAYGQISQAFPQPPPMIPQQQREGFVSFDNPASAQTA
IQAMNGFQIGMKRLKVQLKRPKDANRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001025089

ORF Size: 1344 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001025089.2

RefSeq ORF: 1347 bp

Locus ID: 56853

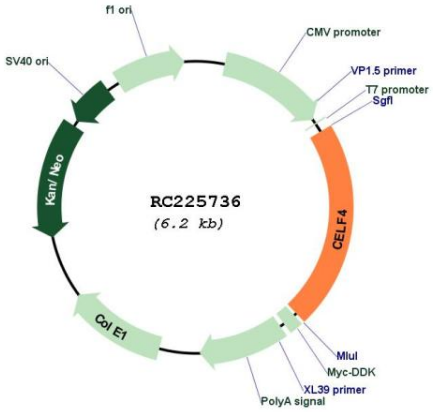
UniProt ID: Q9BZC1

Cytogenetics: 18q12.2

MW: 47.5 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 RC225736