

## Product datasheet for **SC323067**

### **BRUNOL4 (CELF4) (NM\_001025089) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BRUNOL4 (CELF4) (NM_001025089) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRUNOL4
Synonyms:	BRUNOL4; CELF-4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001025089, the custom clone sequence may differ by one or more nucleotides ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACC AACGGGCTCGGCAGCAGCCCGGGCAGTCCGGGCACATGAACGGATTAAGCCACAGCCCG GGGAACCCGTCGACCATTTCCCATGAAGGACCACGATGCCATCAAGCTGTTCAATTGGGCAG ATCCCCGCAACCTGGATGAGAAGGACCTCAAGCCCTCTTCGAGGAGTTTGGCAAAATC TACGAGCTTACGGTTCTGAAGGACAGGTTACAGGCATGCACAAAGGCTGCGCCTTCCTC ACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCAGAGCGCGCTGCACGAGCAGAAGACT CTGCCCGGGATGAACCGCCGATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGAA GATAGAAAACCTTCGTGGGCATGCTCAACAAGCAACAGTCCGAGGACGACGTGCGCCGC CTTTTCGAGGCCTTTGGGAACATCGAGGAGTGACCATCCTGCGCGGGCCCGACGGCAAC AGCAAGGGGTGCGCCTTTGTGAAGTACTCCTCCCACGCCGAGGCGCAGGCCGCCATCAAC GCGCTACACGGCAGCCAGACCATGCCGGGAGCCTCGTCCAGTCTGGTGGTCAAGTTCCGC GACACCGACAAGGAGCGCACGATGCGGGCAATGCAGCAGATGGCTGGCCAGATGGGCATG TTCAACCCCATGGCCATCCCTTTTCGGGGCCTACGGCGCCTACGCTCAGGCACTGATGCAG CAGCAAGCGGCCCTGATGGCATCAGTCGCGCAGGGCGGCTACCTGAACCCCATGGCTGCC TTCGCTGCCGCCAGATGCAGCAGATGGCGGCCCTCAACATGAATGGCCTGGCGGCCGCA CCTATGACCCCAACCTCAGGTGGCAGCACCCCTCCGGGCATCACTGCACCAGCCGTGCCT AGCATCCCATCCCCATTGGGGTGAATGGCTTACCGGCCTCCCCCACAGGCCAATGGG CAACCTGCTGCGGAAGCTGTGTTCCGCAATGGCATCCACCCCTACCCAGCACAGAGCCCC ACCGCCGCGGACCCCTGCAGCAGGCCTACGCCGAGTGCAGCAGTATGCAGGTCCAGCT GCCTACCTGCTGCCTATGGTCAGATAAGCCAGGCCTTTCCTCAGCCGCCTCCAATGATC CCCCAGCAGCAGAGAGAAGGCTTCGTGAGCTTCGACAACCCGGCCAGCGCGCAGACCGCC ATCCAGGCCATGAACGGCTTCAGATCGGCATGAAGAGGCTCAAGGTGCAGCTGAAGCGG CCCAAAGACGCCAATCGCCCGTAC
Restriction Sites:	Please inquire
ACCN:	NM_001025089



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**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001025089.1](#), [NP\\_001020260.1](#)

**RefSeq Size:** 3956 bp

**RefSeq ORF:** 1347 bp

**Locus ID:** 56853

**UniProt ID:** [Q9BZC1](#)

**Cytogenetics:** 18q12.2

**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]

Transcript Variant: This variant (4) uses an alternate in-frame splice site in the 5' coding region and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 4). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.