**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 SC111360

## BRUNOL4 (CELF4) (NM_020180) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | BRUNOL4 (CELF4) (NM_020180) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | BRUNOL4 |
| **Synonyms:** | BRUNOL4; CELF-4 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>OriGene ORF within SC111360 sequence for NM_020180 edited (data generated by NextGen Sequencing)

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACC
AACGGGCTCGGCAGCAGCCCGGGCAGTGCCGGGCACATGAACGGATTAAGCCACAGCCCG
GGGAACCCGTCGACCATTCCCATGAAGGACCACGATGCCATCAAGCTGTTCATTGGGCAG
ATCCCCCGCAACCTGGATGAGAAGGACCTCAAGCCCCTCTTCGAGGAGTTTGGCAAAATC
TACGAGCTTACGGTTCTGAAGGACAGGTTCACAGGCATGCACAAAGGCTGCGCCTTCCTC
ACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCCAGAGCGCGCTGCACGAGCAGAAGACT
CTGCCCGGGATGAACCGGCCGATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGGT
AGTAGCTGCCTGCGCCAGCCCCCTTCACAAGATAGAAAACTCTTCGTGGGCATGCTCAAC
AAGCAACAGTCCGAGGACGACGTGCGCCGCCTTTTCGAGGCCTTTGGGAACATCGAGGAG
TGCACCATCCTGCGCGGGCCCGACGGCAACAGCAAGGGGTGCGCCTTTGTGAAGTACTCC
TCCCACGCCGAGGCGCAGGCCGCCATCAACGCGCTACACGGCAGCCAGACCATGCCGGGA
GCCTCGTCCAGTCTGGTGGTCAAGTTCGCCGACACCGACAAGGAGCGCACGATGCGGCGA
ATGCAGCAGATGGCTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCCTTTCGGGGCC
TACGGCGCCTACGCTCAGGCACTGATGCAGCAGCAAGCGGCCCTGATGGCATCAGTCGCG
CAGGGCGGCTACCTGAACCCCATGGCTGCCTTCGCTGCCGCCCAGATGCAGCAGATGGCG
GCCCTCAACATGAATGGCCTGGCGGCCGCACCTATGACCCCAACCTCAGGTGGCAGCACC
CCTCCGGGCATCACTGCACCAGCCGTGCCTAGCATCCCATCCCCCATTGGGGTGAATGGC
TTCACCGGCCTCCCCCCACAGGCCAATGGGCAACCTGCTGCGGAAGCTGTGTTCGCCAAT
GGCATCCACCCCTACCCAGCACAGAGCCCCACCGCCGCGGACCCCCTGCAGCAGGCCTAC
GCCGGAGTGCAGCAGTATGCAGGTCCAGCTGCCTACCCTGCTGCCTATGGTCAGATAAGC
CAGGCCTTTCCTCAGCCGCCTCCAATGATCCCCCAGCAGCAGAGAGAAGGGCCCGAGGGC
TGTAACCTGTTCATCTACCATCTGCCCCAGGAGTTTGGGGACGCTGAGCTGATGCAGATG
TTCCTCCCTTTCGGCTTCGTGAGCTTCGACAACCCGGCCAGCGCGCAGACCGCCATCCAG
GCCATGAACGGCTTCCAGATCGGCATGAAGAGGCTCAAGGTGCAGCTGAAGCGGCCCAAA
GACGCCAATCGCCCGTACTGA

Clone variation with respect to NM_020180.3

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_020180 unedited

GTCACTATATTTGTAATACGACTCACTATTAGGGCGGCCGCGAATTCGCACGAGGAGAGA
GAGGGGGAGAGCAGAGAGAGAGCGCGAGCGCGAGCGAGCGAGAGAAGAGGAGAAAGAGAG
AGAGCAGAGAGCGAGCGGAGAGCGAGGTGTAGAGAAACCGAGGGGGAGAGAACCCGAGTG
TGTGTATGCGTGTGCGTGTGTGAGCGCGAGCGAGCGAGCGAGAGAGAGGAGCGAGAGAGT
GTGAGCGAGAAAGAATAAAAGGAAAGAAGATTTTCTCTATGTATATAAAGATGGCCACGT
TAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACCAACGGGCTCGGCAGCAGCCCGG
GCAGTGCCGGGCACATGAACGGATTAAGCCACAGCCCGGGGAACCCGTCGACCATTCCCA
TGAAGGACCACGATGCCATCAAGCTGTTCATTGGGCAGATCCCCCGCAACCTGGATGAGA
AGGACCTCAAGCCCCTCTTCGAGGAGTTTGGCAAAATCTACGAGCTTACGGTTCTGAAGG
ACAGGTTCACAGGCATGCACAAAGGCTGCGCCTTCCTCACCTACTGCGAGCGTGAGTCAG
CGCTGAAGGCCCAGAGCGCGCTGCACGAGCAGAAGACTCTGCCCGGGATGAACCGGCCGA
TCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGGTAGTAGCTGCCTGCGCCCAGCCC
CCTCACAAGATAGAAAACTCTTCGTGGGCATGCTCAACCAGCACAGTCCCGAGACGACGT
GCGCCGCCTTTTCGAGGCCTTTGGGACATCCAGGAGTGCACCATCTGCGGGGCCCGAAGG
CACAGCAAGGGTGCGCCCTGGTGAGTACTCCTCCACGCCAAGCGCAGGCGCATCAAGCGC
TAACGGAGCCAACATGCC

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_020180 unedited
GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCATCTTCTTCTTCATGTCATATATAT
TTTCCCCCAAACACGTGCCCTCTGAACTCCATAGACGCTATACTTTCCTTGAAGAAATGT
TACAGTCACACAGACAGTGTCTGGAGTCTTCAGCTTGATTGATATTGGCTGATATGTCAA
AGGTGTCATCCAACAGTTCTCATTTATAAATATATATAGAGAGAGGTTTGTTTTTTAATG
TAGCCCGTTCAGCATCCTGCCCTGTGCGAGTCCTGGTCTCCCCCGGGGGACGCTCCCGCC
GGCGCTCATTACGGGCGATTGGCGTCTTTGGGCCGCTTCAGCTGCACCTTGAGCCTCTTC
ATGCCGATCTGGAAGCCGTTCATGGCCTGGATGGCGGTCTGCGCGCTGGCCGGGTTGTCG
AAGCTCACGAAGCCGAAAGGGAGGAACATCTGCATCAGCTCAGCGTCCCCAAACTCCTGG
GGCAGATGGTAGATGAACAGGTTACAGCCCTCGGGCCCTTCTCTCTGCTGCTGNGGGATC
ATTGGAGGCGGCTGAGGAAAGGCCTGGCTTATCTGACCATAGGCAGCAGGGTAGGCAGCT
GGACCTGCATACTGCTGCACTCCGGCGTATGCCTGCTGCAGGGGGTCCGCGGCGGTGGAG
CTCTGTGCTGGGTANGGGTGGATGCCATTGGCGAACACAGCTTCCGCATCATGTTGCCCA
TTGGCCTGTGGGGGGAGGCCGGTGAAGCCATTCACCCCATGGNGGATGGGATGCNTAGCA
CGNCTGGTGCATTGATGCCCGNNAGGGTGCTGCACCTGATGTTGGAGTCATANGTGCGGN
CCGCATGCCATCATGTTGAGGGCCGCATCTGCTGCATCTGGCGCAGCGAAGCACCATGGG
GTCATGTANCCGCCTGCCGACTGATGCATCAGGNCCGCTGCTGCTGCTCATGCTGACGTA
GCGCCGAGCCCCAAGGATGCCACTGGGTGAACTGCATCTGCC
```

**Restriction Sites:** NotI-NotI

**ACCN:** NM_020180

**Insert Size:** 1940 bp

**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).

**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_020180.2, NP_064565.1

**RefSeq Size:** 3175 bp

**RefSeq ORF:** 1461 bp

**Locus ID:** 56853

**UniProt ID:** Q9BZC1

**Cytogenetics:** 18q12.2

**Domains:** RRM

**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 (1) encodes isoform 1. 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.