

Product datasheet for **SC126602**

BRUNOL4 (CELF4) (BC045711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRUNOL4 (CELF4) (BC045711) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRUNOL4
Synonyms:	bruno-like 4, RNA binding protein; Bruno -like 4, RNA binding protein; bruno-like 4, RNA binding protein (Drosophila); BRUNOL-4; CELF4; CUG-BP and ETR-3 like factor 4; LYST-interacting protein LIP9; RNA-binding protein BRUNOL4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC126602 sequence for BC045711 edited (data generated by NextGen Sequencing)

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ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACC
AACGGGCTCGGCAGCAGCCCGGGCAGTGCCGGGCACATGAACGGATTAAGCCACAGCCCG
GGGAACCCGTCGACCATCCCATGAAGGACCACGATGCCATCAAGCTGTTATTGGGCAG
ATCCCCCGCAACCTGGATGAGAAGGACCTCAAGCCCCTCTTCGAGGAGTTTGGCAAAATC
TACGAGCTTACGGTTCTGAAGGACAGGTTACAGGCATGCACAAAGGCTGCGCCTTCCTC
ACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCAGAGCGCGCTGCACGAGCAGAAGACT
CTGCCCCGGATGAACCGGCCGATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGAN
GATAGAAAACCTCTTCGTGGGCATGCTCAACAAGCAACAGTCCGAGGACGACGTGCGCCGC
CTTTTCGAGGCCCTTTGGGAACATCGAGGAGTGACCATCTGCGCGGGCCCGACGGCAAC
AGCAAGGGGTGCGCCTTTGTGAAGTACTCTCCACGCCGAGGCGCAGGCCGCCATCAAC
GCGCTACACGGCAGCCAGACCATGCCGGGAGCCTCGTCCAGTCTGGTGGTCAAGTTGCGC
GACACCGACAAGGAGCGACGATGCGGCGAATGCAGCAGATGGCTGGCCAGATGGGCATG
TTCAACCCCATGGCCATCCCTTTGCGGGCTACGGCGCCTACGCTCAGGCACTGATGCAG
CAGCAAGCGGCCCTGATGGCATCAGTCGCGCAGGGCGGCTACCTGAACCCCATGGCTGCC
TTGCTGCGCGCCAGATGCAGCAGATGGCGGCCCTCAACATGAATGGCCTGGCGGCCGCA
CCTATGACCCCAACCTCAGGTGGCAGCACCCCTCCGGGCATCACTGCACAGCCGTGCCT
AGCATCCCATCCCCATTGGGTGAATGGCTTACCGGCCCTCCCCCACAGGCCAATGGG
CAACCTGCTGCGGAAGCTGTGTTGCGCAATGGCATCCACCCCTACCCAGCACAGAGCCCC
ACCGCCGCGGACCCCTGCAGCAGGCCCTACGCCGAGTGACGAGATGCAGGTCCAGCT
GCCTACCTGCTGCCTATGGTCAGATAAGCCAGGCCTTTCCTCAGCCGCCTCAATGATC
CCCCAGCAGCAGAGAGAAGGCTTCGTGAGCTTCGACAACCCGGCCAGCGCGCAGACCGCC
ATCCAGGCCATGAACGGCTTCCAGATCGGCATGAAGAGGCTCAAGGTGCAGCTGAAGCGG
CCCAAAGACGCCAATCGCCCGTACTGA
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Clone variation with respect to BC045711.1
420 a=>n

5' Read Nucleotide Sequence:

>OriGene 5' read for BC045711 unedited

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TGTAATCACGACTCTCTATAGNNGCGGCCGCGCAATTCGGCAGGAGGAGAGCAGAGAG
CGAGCGGAGAGCGAGGTGTAGAGAAACCGAGGGGAGAGAAACCCAGTGTGTGTATGCGT
GTGCGTGTGTGAGCGCGAGCGAGCGAGGAGAGAGAGGAGCGAGAGAGTGTGAGCGAGAA
AGAATAAAAGGAAAGAAGATTTTCTCTATGTATATAAAGATGGCCACGTTAGCAAACGGA
CAGGCTGACAACGCAAGCCTCAGTACCAACGGGCTCGGCAGCAGCCCGGGCAGTGCCGGG
CACATGAACGGATTAAGCCACAGCCCGGGGAACCCGTCGACCATCCCATGAAGGACCAC
GATGCCATCAAGCTGTTTATTGGGCAGATCCCCGCAACCTGGATGAGAAGGACCTCAAG
CCCCTCTTCGAGGAGTTTGGCAAAATCTACGAGCTTACGGTTCTGAAGGACAGGTTTACA
GGCATGCACAAAGGCTGCGCCTTCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCC
CAGAGCGCGCTGCACGAGCAGAAGACTCTGCCCGGGATGAACCGGCCGATCCAGGTGAAG
CCTGCGGACAGCGAGAGCCGAGGAGATAGAANAATCTTCTGTTGGGCATGCTCAACAAGCCA
CAGTCCGAGGACGACGTGCGCCGCTTTTCGAGGCCTTTGGGAACATCGAGGAGTGACCC
ATCCTGCGCGGGCCGACGGCACAGCAAGGGTGCGCCTTTGTGAAGTACTCTCCACGC
CGAGCGCAGGCCGNNCATACGCGCTACACGGGAGCCAGACCATGCCCGGNAGCCTCGTT
CAGTCTGTGGGCAAGTCCGCCGAACGACAAGGAGCGCAGATGCGCGAATGCANANAT
GGCTTGCCAAATGGCC
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3' Read Nucleotide Sequence:	>OriGene 3' read for BC045711 unedited <pre> NTAGCTATGNACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTCATCTT CTTCTTCATGTCATATATTTTCCCCAAACAGTGCCCTCTGAACTCCATAGACGCTA TACTTTCTTGAAGAAATGTTACAGTCACACAGACAGTGTCTGGAGTCTTCAGCTTGATT GATATTGGCTGATATGTCAAAGGTGTCATCCAACAGTTCTCATTTATAAATATATAGA GAGAGGTTTGTTTTTAATGTAGCCCGTTCAGCATCCTGCCCTGTGCGAGTCCTGGTCTC CCCCGGGGGACGCTCCCGCCGGCGCTCAGTACGGGCGATTGGCGTCTTTGGGCCGTTCA GCTGCACCTTGAGCCTCTTCATGCCGATCTGGAAGCCGTTTCATGGCCTGGATGGCGGTCT GCGCGCTGGCCGGTGTGCGAAGCTCACGAAGCCTTCTCTCTGCTGCTGGGGATCATTG GAGGCGGCTGAGGAAAGGCTGGCTTATCTGACCATAGGCAGCAGGGTAGGCAGCTGGAC CTGCATACTGCTGCACTCCGGCGTAGGCCTGCTGCAGGGGGTCCGCGCGGTGGGCTCT GTGCTGGGTAGGGGTGGATGCCATTGGCGAACACAGCTCCGAGCAGGTTGCCATTGG CCTGTGGGGGAGGCCGTTGAAGCCATCCCCCATGGGGGATGGGATGCTAGGCACAGC TGGTGCAGTGATCCCGGAGGGGTGCTGCCACCTGAGTTNGGGGTCATTAGTCCCGGCCG CCAGCCATTATGTTTGAGGGCCGCTTTGCTGCATTGGGCCGCAACGAAGCACCATGGGG TTAAGGTACCCGCCCTGCCATGAGCCACTAGGGCCGGTTGCTGCTGATTATGCCTGAAC GTAAGCCCCGAGCCCCAAAGAATGCCCTGGGGTGAAAATCCCCCTGGCCACCTTGCT </pre>
Restriction Sites:	NotI-NotI
ACCN:	BC045711
Insert Size:	1850 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:	<u>BC045711.1</u> , <u>AAH45711.1</u>
RefSeq Size:	2104 bp
RefSeq ORF:	1347 bp
Locus ID:	56853
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]