

Product datasheet for SC328662

BRUNOL5 (CELF5) (NM_001172673) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRUNOL5 (CELF5) (NM_001172673) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRUNOL5
Synonyms:	BRUNOL-5; BRUNOL5; CELF-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328662 representing NM_001172673. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCCCCCTGACGGAGAGCGAGGCGCGCCGGCAGCAGCAGCTCCTGCAGCCGCGGCCCTCGCCC
 GTGGGCAGCAGCGGGCCCGAGCCCCCGGGGGCAGCCGACGGCATGAAGGACCTGGACGCCATCAAA
 CTCTTCGTGGGCCAGATCCCGCGCACCTGGACGAGAAGGACCTCAAGCCGCTCTTCGAGCAGTTCGGC
 CGCATCTACGAGCTCACGGTGCTCAAAGACCCCTACACGGGGATGCACAAAGGCTGTGCCTTCCTCACC
 TACTGTGCCAGGGATTCCGCCATCAAAGCTCAGACTGCCCTGCACGAGCAGAAGACCTTGCCCGGAATG
 GCGCGCCAATCCAGGTGAAGCCTGCGGACAGTAAAGCCGCGGAGGTAGGGACCGGAAGCTGTTCTGTG
 GGGATGCTGAACAAGCAGCAGTCGGAGGAGGACGTGCTGCGGCTGTTCCAGCCCTTCGGGGTCAATTGAC
 GAGTGACCCGTGCTCCGGGGGCTGACGGCAGCAGCAAAGGCTGTGCTTTCGTGAAGTTCTCCTCCAC
 ACGGAGGCGCAGGCGGCCATCCACGCCTTGATGGGAGCCAGACCATGCCGGGAGCCTCCTCCAGCCTG
 GTGGTCAAGTTCGCCGACACGGACAAGGAGCGGACGCTCCGGCGCATGCAGCAGATGGTGGGCCAGCTG
 GGCATCCTGACGCCGTCCTCACATTGCCCTTCAGCCCCACAGTGCTACGCCCAGGCTCTCATGCAA
 CAGCAGACAACAGTCCTGTCCACCTCGGGCAGCTACCTGAGTCCCGGCGTGGCCTTCTCACCTGTAC
 ATCCAGCAGATAGGCGCCGTGAGCCTCAACGGGCTGCCGACACCCATCGCTCCTGCCTCTGGTGTC
 GTGCCCTTTCCAGGTGGGCACCTGCCCTGAAACCGTCTATGCCAATGGCCTTGCCCTACCCAGCT
 CAGAGCCCGACTGTGGCGAGACACTGCATCCTGCCTTCCGGAGTCCAGCAGTACACAGCCATGTAC
 CCCACCGCGGCCATCACGCCATCGCGCACAGCGTCCCCAGCCGCCGCCCTCCTGCAGCAGCAGCAG
 CGAGAAGGAGTTTGAGACACGGAGCTGACGCAGATGTTCTACCTTCGGCAATATCATTTCTCCAA
 GGTGTTTATGGATCGAGTACCAACCAGAGCAAGTGTTCGGCTTCGTGAGCTT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_001172673
Insert Size:	1230 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).
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:	<ol style="list-style-type: none"> 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>NM_001172673.1</u>
RefSeq Size:	5008 bp
RefSeq ORF:	1230 bp
Locus ID:	60680
UniProt ID:	<u>Q8N6W0</u>
Cytogenetics:	19p13.3
MW:	44.5 kDa
Gene Summary:	<p>This gene encodes a member of the the CELF/BRUNOL protein family, which 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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (2) contains an alternate in-frame splice site in the central coding region, an alternate splice site that results in a frameshift in the 3' coding region, and it includes an additional segment in the 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>