

Product datasheet for RC229914

BRUNOL6 (CELF6) (NM_001172685) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRUNOL6 (CELF6) (NM_001172685) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRUNOL6
Synonyms:	BRUNOL6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229914 representing NM_001172685 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCGTCCGATCCAAGTGAAGCCAGCTGCCAGTGAGGGCCGAGGAGAGGACCGAAAGCTGTTTGTGG
GGATGTGGGCAAGCAGCAGGGTGAGGAGGACGTCAGACGCCTGTTCCAGCCCTTTGGCCACATCGAGGA
GTGCACGGTCTGCGGAGTCTGACGGCACCAGTAAAGGCTGTGCCTTTGTGAAGTTCGGGAGTCAAGGG
GAAGCTCAGGCGGCCATCCGGGGTCTGCACGGCAGCCGACCATGGCGGGCGCCTCGTCCAGCCTCGTGG
TCAAGCTGGCGGACACCGACCGGGAGCGCGCTGCGGGCGATGCAGCAGATGGCCGGCCACCTGGGCGC
CTTCCACCCCGCCACTGCCGCTAGGGGCTGCGGGCCTACACCACGGCGATCCTGCAGCACCAGGGC
GCCCTGTGGCGGCGGCACAGGGCCAGGCCTAGGCCCGTGGCGGCAAGTGGCGGCCAGATGCAACACG
TGGCGGCCTTTAGCCTGGTAGCTGCGCCTCTGTTGCCCGGCGAGCCAATCCCCGCTGGCAGCGGCC
TGGCACCTCCCAGGTCTTCCGGCGCCATCGGGTCAATGGATTGCGCCCTCTGACCCCCAGACCAAT
GGCCAGCCGGGCTCCGACACGCTCTACAATAACGGGCTCTCCCTTATCCAGCAGCCTATCCGTGGGCT
ATGCCCAAGTGAGCACAGCTTTTCCCAGCAGCCTTACGCCCTGCCCCAGCAGCAGAGAAGGCCCCGA
AGGCTGTAACCTTTCATCTATCACCTGCCTCAGGAGTTTGGTGTGCGGAACTCATAACAGACATTCCTG
CCCTTTGGAGCCGTTGTCTGCTAAAGTCTTTGTGGATCGAGCCACCAACCGAGCAAGTGTGTTGGGT
TTGTTAGTTTTGACAATCCAAGTGTGCCAGACTGCTATTAGGCGATGAATGGCTTTCAAATTGGCAT
GAAGAGGCTCAAGTCCAGCTAAAGCGGCCAAGGATGCCAACCAGCCTTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229914 representing NM_001172685
Red=Cloning site Green=Tags(s)

MNRPIQVKPAASEGRGEDRKL FVGMLGKQQGEEDVRRLLFQPFQGHIEECTVLRSPDGTSGKCAFVKFGSQG
 EAQAAIRGLHGSRTMAGASSSLVVKLADTDRELRALRRMQQMAGHLGAFHPAPLPLGACGAYTTAILQHQA
 ALLAAAQGPGLGPVAAVAAMQHVAAFLVAAPLLPAAANSPPGSGPGLPGLPAPIGVNGFGPLTPQTN
 GQPGSDTLYNNGLSPYPAAYPSAYAPVSTAFPQQPSALPQQQREGPEGCNLFYHLPQEFGDAELIQTFLL
 PFGAVVSAKVFVDRATNQSKCFGVFVDFNPTSAQTAIQAMNGFQIGMKRLKVQLKRPKDANRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8053_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001172685

ORF Size: 1032 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.

RefSeq: [NM_001172685.1](#), [NP_001166156.1](#)

RefSeq ORF: 1035 bp

Locus ID: 60677

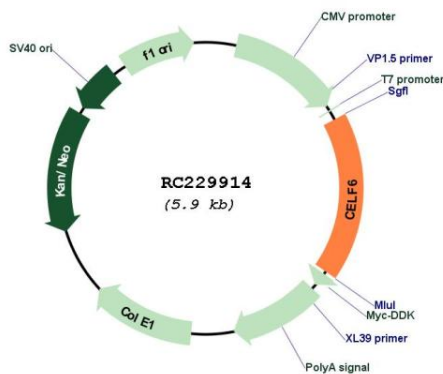
UniProt ID: [Q96J87](#)

Cytogenetics: 15q23

MW: 36.6 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 alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Feb 2010]

Product images:



Circular map for RC229914