

Product datasheet for **RG207072**

BRUNOL5 (CELF5) (NM_021938) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BRUNOL5
Synonyms:	BRUNOL-5; BRUNOL5; CELF-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG207072 representing NM_021938
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCCGCCTGACGGAGAGCGAGGCGCGCCGGCAGCAGCAGCAGCTCCTGCAGCCGCGGCCCTCGCCCC
 TGGGCAGCAGCGGGCCCGAGCCCCCGGGGGCAGCCGACGCGCATGAAGGACCTGGACGCCATCAAACCT
 CTTCTGTTGGCCAGATCCCCCGCACCTGGACGAGAAGGACCTCAAGCCGCTCTTCGAGCAGTTTGGCCCGC
 ATCTACGAGCTCACGGTCTCAAAGACCCCTACACGGGGATGCACAAAGGCTGTGCCTTCTCACCTACT
 GTGCCAGGGATTCCGCCATCAAAGCTCAGACTGCCCTGCACGAGCAGAAGACCTTCCCGGAATGGCGCG
 GCCAATCCAGGTGAAGCTGCGGACAGTGAAAGCCGCGGAGGTAGGACCGGAAGCTGTTCTGGGGATG
 CTGAACAAGCAGCAGTCGGAGGAGGACGTGCTGCGGCTGTTCCAGCCCTTCGGGGTATTGACGAGTGCA
 CCGTGTCTCCGGGGCCTGACGGCAGCAGCAAAGGCTGTGCTTCTGTAAGTTCTCTCCACACGGAGGC
 GCAGGCGGCCATCCAGCCTTGCATGGGAGCCAGACCATGCCGGGAGCCTCCTCCAGCCTGGTGGTCAAG
 TTCGCCGACACGGACAAGGAGCGGACGCTCCGGCGCATGCAGCAGATGGTGGGCCAGCTGGGCATCCTGA
 CGCCGTCCTCACATTGCCCTTCAGCCCTACAGTGCCTACGCCCAAGGCTCTCATGCAACAGCAGACAAC
 AGTCTGTCCACCTCGGGCAGCTACCTGAGTCCCGCGTGGCCTTCTCACCTGTGCATCCAGCAGATA
 GCGCCGCTCAGCCTCAACGGGCTGCCTGCCACACCATCGCTCCTGCCTCTGGGCTGCACTACCCCCCG
 TGCTGGGCACACCGCTGTGCTGGCCTCGTGGCTCCCATACCAATGGCTTTGCAGGTGTGCTGCCCTT
 TCCAGGTGGGCACCTGCCCTGAAACCGTCTATGCCAATGGCCTTGTGCCCTACCCAGCTCAGAGCCCG
 ACTGTGGCCGAGACACTGCATCCTGCCTTCTCCGAGTCCAGCAGTACACAGCCATGTACCCACCGCGG
 CCATACGCCCATCGGCACAGCGTCCCCAGCCGCGCCCTCCTGCAGCAGCAGCAGCAGAGAAGTCC
 CGAGGGCTGTAACCTGTTTATCTACCACTCCCCAGGAGTTTGGAGACACGGAGCTGACGCAGATGTTT
 CTACCTTCGGCAATATCATTTCTCCAAGGTGTTTATGGATCGAGCTACCAACCAGAGCAAGTGTTCG
 GCTTCGTGAGCTTTGATAACCCGGCCAGCGCCAGGCAGCCATCCAGGCCATGAACGGCTTCCAGATCG
 CATGAAGAGGCTCAAAGTCCAGCTGAAGCGGCCAAAGACCGGGACCCCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

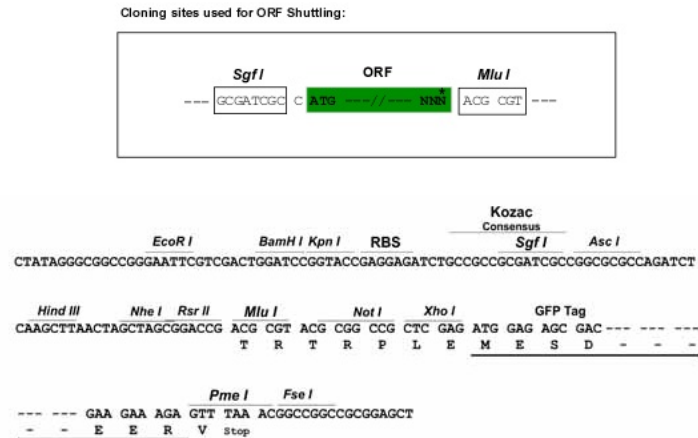
Protein Sequence: >RG207072 representing NM_021938
 Red=Cloning site Green=Tags(s)

MARL TESEARRQQQLQPRPSPVGSSEPPGGQPDGMKDLDAIKLFVGQIPRHLDEKDLKPLFEQFGR
 IYELTVLKDPYTMHKGCAFLTYCARDSAIIKAQTALHEQKTLPGMARPIQVKPADSESRGGRDRKLFVGM
 LNKQQSEEDVLRFLQPFVIDECTVLRGPDGSSKGCAFVKFSSHTAQAAIHALHGSQTMPGASSSLVVK
 FADTDKERTLRRMQMVQGLGILTPSLTLPFSPYSAYAQALMQQTTLVSTSGSYLSPGVAFSPCHIQQI
 GAVSLNGLPATPIAPASGLHSPPLLGTAVPGLVAPITNGFAGVVPFPGGHPALETVYANGLVPYPAQSP
 TVAETLHPAFSGVQYTYAMYPTAAITPIAHSVQPPPLLQQQREGPEGCNLFYIHLPEFGDELTQMF
 LPFGNISSKVFMDRATNQSKCFGVSFDPNPSAQAAIQAMNGFQIGMKRLKVQLKRPKDPGHPY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021938

ORF Size: 1455 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.

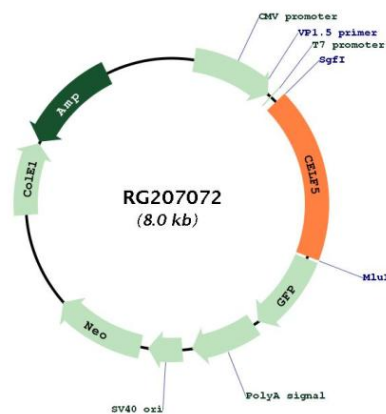
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021938.2](#)

RefSeq Size:	1894 bp
RefSeq ORF:	1458 bp
Locus ID:	60680
UniProt ID:	Q8N6W0
Cytogenetics:	19p13.3
Domains:	RRM

Gene Summary: 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]

Product images:



Circular map for RG207072