

Product datasheet for **RG200865**

BRUNOL4 (CELF4) (NM_020180) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BRUNOL4
Synonyms:	BRUNOL4; CELF-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG200865 representing NM_020180
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACCAACGGGCTCG
 GCAGCAGCCCCGGGAGTGCCGGGCACATGAACGGATTAAGCCACAGCCCCGGGAACCCGTCGACCATTC
 CATGAAGGACCACGATGCCATCAAGCTGTTTCATTGGGCAGATCCCCGCAACCTGGATGAGAAGGACCTC
 AAGCCCTCTTCGAGGAGTTTGGCAAAATCTACGAGCTTACGGTTCTGAAGGACAGGTTACAGGCATGC
 ACAAGGCTGCGCCTTCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCAGAGCGCGCTGCACGA
 GCAGAAGACTCTGCCGGGATGAACCGGCCGATCCAGGTGAAGCCTGCGGACAGCGAGGCCGAGGAGGT
 AGTAGCTGCTGCGCCAGCCCCCTTCAAGAATAGAAAATCTTCGTGGGCATGCTCAACAAGCAACAGT
 CCGAGGACGAGTGCAGCGCTTTTCGAGGCTTTGGGAACATCGAGGAGTGCACCATCTGCGCGGGCC
 CGACGGCAACAGCAAGGGTGCCTTTGTGAAGTACTCTCCACGCCGAGGCGCAGGCCGCCATCAAC
 GCGCTACACGGCAGCCAGACCATGCCGGGAGCCTCGTCCAGTCTGGTGGTCAAGTTCGCCGACACCGACA
 AGGAGCGCAGATGCGCGCAATGCAGCAGATGGCTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCC
 TTTGCGGGCCTACGGCGCTACGCTCAGGCACTGATGCAGCAGCAAGCGGCCCTGATGGCATCAGTCGCG
 CAGGGCGGTACCTGAACCCCATGGCTGCTTCGCTGCCGCCAGATGCAGCAGATGGCGGCCCTCAACA
 TGAATGGCCTGGCGGCCGACCTATGACCCCAACCTCAGGTGGCAGCACCCCTCCGGGCATCACTGCACC
 AGCCGTGCCTAGCATCCCATCCCCATTGGGTGAATGGCTTACCGGCCCTCCCCCACAGGCCAATGGG
 CAACCTGCTGCGGAAGCTGTGTTGCGCAATGGCATCCACCCCTACCCAGCACAGAGCCCCACCGCCGCG
 ACCCCCTGCAGCAGGCTACGCCGAGTGCAGCAGTATGCAGGTCCAGCTGCCTACCCTGCTGCCTATGG
 TCAGATAAGCCAGGCCTTTCCTCAGCCGCTCCAATGATCCCCCAGCAGCAGAGAGAAGGGCCCGAGGGC
 TGTAACCTGTTTATCTACCATCTGCCCCAGGAGTTTGGGGACGCTGAGCTGATGCAGATGTTCTCCCTT
 TCGGCTTCGTGAGCTTCGACAACCCGGCCAGCGCGCAGACGCCATCCAGGCCATGAACGGCTTCCAGAT
 CGGCATGAAGAGGCTCAAGGTGCAGCTGAAGCGGCCCAAGACGCCAATCGCCCGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200865 representing NM_020180
 Red=Cloning site Green=Tags(s)

MYIKMATLANGQADNASLSTNGLGSSPGSAGHMNGLSHSPGNPSTIPMKDHDIAIKLFIGQIPRNLEKDL
 KPLFEEFGKIYELTVLKDRFTGMHKGCAFLTYCERESALKAQSALHEQKTLPGMNRPIQVKPADSESRRG
 SSCLRQPPSQDRKLFVGMLNKQSEDDVRRLEAFGNIEECTILRGPDGNSKGCAFVKYSSHAQAQAIN
 ALHGSQTMPGASSSLVVKFADTKERTMRRMQQMAGQMGMFNPMIIPFGAYGAYAALMQQQAALMASVA
 QGGYLNPMAAFAAAQMQMAALNMGLAAAPMTPTSGGSTPPGITAPAVPSIPSPIGVNGFTGLPPQANG
 QPAEAVFANGIHPYPAQSPTAADPLQYAYAGVQYAGPAAYPAAYGQISQAFPPPPMIPQQQREGPEG
 CNLFIYHLPQEFGDAELMQMFLPFGFVSFDNPASAQTAIQAMNGFQIGMKRLKVQLKRPKANRPY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020180

ORF Size: 1458 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.

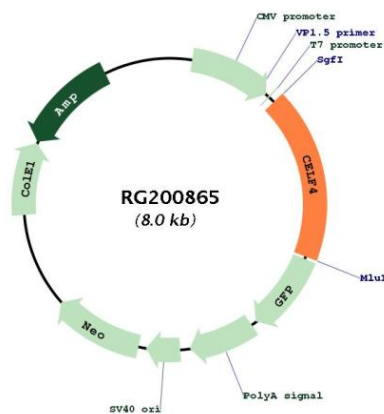
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020180.4](#)

RefSeq Size:	4070 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]

Product images:



Circular map for RG200865