

Product datasheet for **RG230039**

CELF3 (NM_001172649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CELF3 (NM_001172649) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CELF3
Synonyms:	BRUNOL1; CAGH4; ERDA4; ETR-1; TNRC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230039 representing NM_001172649 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAGCCGGATGCCATCAAGCTGTTTGTGGGCAGATCCCAGGCATCTGGAGGAGAAGGACCTGA
AGCCCATCTCGAACAGTTTGGTCGGATCTTTGAGCTGACTGTCATCAAGGACAAGTACCCGGGCTGCA
CAAGGGATGTGCCTTCTGACATACTGTCCCGGATTTCAGCCCTGAAGGCCAGAGCGCCCTGCACGAA
CAGAAGACGCTTCCAGGGATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGCCGAGGAGAAG
ACCGGAAGCTCTTGTGGGGATGCTAGGGAAGCAGCAGACAGATGAGGACGTCCGGAAGATGTTTGAGCC
CTTCGGGACCATCGACGAGTGCCTGTGCTCCGGGGCCAGATGGCACCAGCAAAGGCTGCGCCTTCGTG
AAGTTCAGACCCACGCTGAGGCCAGGCGCCATCAACACCCTTACAGCAGCCGACCCTGCCAGGTG
CCTCGTCCAGCCTGGTGGTGAAGTTTGCTGACACTGAGAAGGAGCGAGGTCTCCGCCGATGCAGCAGGT
GGCCACCCAGTTGGGCATGTTTCAGCCCCATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCC
CTGATGCAGCAGCAGGCGGCCCTGGTAGCGGCTCACAGTGCTACCTCAGCCCCATGGCCACCATGGCTG
CCGTGCAGATGCAGCACATGGCTGCCATCAATGCCAATGGCTCATCGCCACCCCATCACCCATCCTC
AGCCCAGAGCCCCGCGGCCCGTGGACCCCTGCAGCAGGCCTACGCGGGATGCAGCACTACACAGCA
GCCTACCCAGCAGCTACAGCCTGGTTGCACCTGCGTTCCCGCAGCCTCCAGCCTGGTCGCCAGCAGCA
CCCCACCACCTCAACAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAAAGAGAAGGCCCC
TGATGGCTGCAACATCTTCATCTACCACCTGCCAGGAGTTCACTGACTCAGAGATCCTCCAGATGTTT
GTCCCCTTTGGCCACGTATCTCAGCCAAAGTCTTTGTTGACCGAGCCACCAATCAAAGCAAATGTTTTG
GCTTTGTGAGTTTCGACAATCCGGCCAGTCCCCAGGCTGCCATCCAGGCCATGAATGGCTTCCAGATCG
CATGAAGCGCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCCAACCGGCCCTAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG230039 representing NM_001172649
 Red=Cloning site Green=Tags(s)

MKEPDAIKLFVGGQIPRHLEEKDLKPIFEQFGRIFELTVIKDKYTGLHKGCAFLTYCARDSALKAQSALHE
 QKTLPGMNRPIQVKPADSESRGEDRKL FVGM LGKQQTDEDVRKMFEPFGTIDECTVLRGPDGTSKGCFAV
 KFQTHAEAQAINTLHSSRTLPGASSL VVKFADTEKERGLRRMQVATQLGMFSPIALQFGAYSAYTQA
 LMQQQAALVAHSAYLSPMATMAAVQMQHMAAINANGLIATPITPSSAQSPAAPVDPLQQAAYAGMQHYTA
 AYPAAAYSLVAPAFPPALVAQQPPPPPPQQQQQQQQQQQQQREGPDGCNIFIYHLPQEF TDSEILQMF
 VPFQHVISAQVFVDRATNQSCKFGFVSFDNPASQAQAIQAMNGFQIGMKRLKVQLKRPKDANRPY

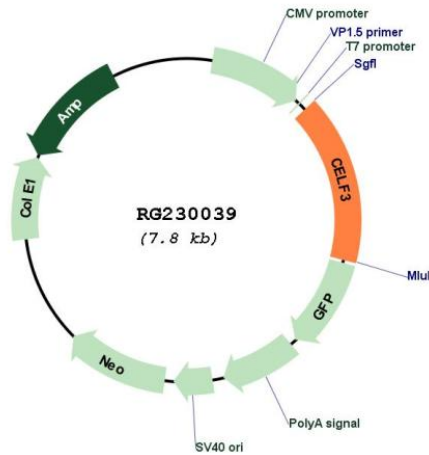
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001172649

ORF Size:	1245 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:	<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:	NM_001172649.4
RefSeq Size:	5043 bp
RefSeq ORF:	1248 bp
Locus ID:	11189
UniProt ID:	Q5SZQ8
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
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]