OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC230039

CELF3 (NM_001172649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CELF3 (NM_001172649) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CELF3
Synonyms:	BRUNOL1; CAGH4; ERDA4; ETR-1; TNRC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC230039 representing NM_001172649
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGAGCCGGATGCCATCAAGCTGTTTGTGGGGCAGATCCCGAGGCATCTGGAGGAGAAGGACCTGA
AGCCCATCTTCGAACAGTTTGGTCGGATCTTTGAGCTGACTGTCATCAAGGACAAGTACACCGGGCTGCA
CAAGGGATGTGCCTTCCTGACATACTGTGCCCGGGATTCAGCCCTGAAGGCCCAGAGCGCCCTGCACGAA
CAGAAGACGCTTCCAGGGATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGCCGAGGAGAAG
ACCGGAAGCTCTTTGTGGGGATGCTAGGGAAGCAGCAGACAGATGAGGACGTCCGGAAGATGTTTGAGCC
CTTCGGGACCATCGACGAGTGCACTGTGCTCCGGGGGCCAGATGGCACCAGCAAAGGCTGCGCCTTCGTG
AAGTTCCAGACCCACGCTGAGGCCCAGGCGGCCATCAACACCCTTCACAGCAGCCGGACCCTGCCAGGTG
CCTCGTCCAGCCTGGTGGTGAAGTTTGCTGACACTGAGAAGGAGCGAGGTCTCCGCCGCATGCAGCAGGT
GGCCACCCAGTTGGGCATGTTCAGCCCCATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCC
CTGATGCAGCAGCAGGCGGCCCTGGTAGCGGCTCACAGTGCCTACCTCAGCCCCATGGCCACCATGGCTG
CCGTGCAGATGCAGCACATGGCTGCCATCAATGCCAATGGCCTCATCGCCACCCCCATCACCCCATCCTC
AGCCCAGAGCCCCGCGGCCCCCGTGGACCCCCTGCAGCAGGCCTACGCGGGGATGCAGCACTACACAGCA
GCCTACCCAGCAGCCTACAGCCTGGTTGCACCTGCGTTCCCGCAGCCTCCAGCCCTGGTCGCCCAGCAGC
CCCCACCACCACCTCAACAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAAAGAGAAGGCCC
TGATGGCTGCAACATCTTCATCTACCACCTGCCCCAGGAGTTCACTGACTCAGAGATCCTCCAGATGTTT
GTCCCCTTTGGCCACGTCATCTCAGCCAAAGTCTTTGTTGACCGAGCCACCAATCAAAGCAAATGTTTTG
GCTTTGTGAGTTTCGACAATCCGGCCAGTGCCCAGGCTGCCATCCAGGCCATGAATGGCTTCCAGATCGG
CATGAAGCGCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCCAACCGGCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

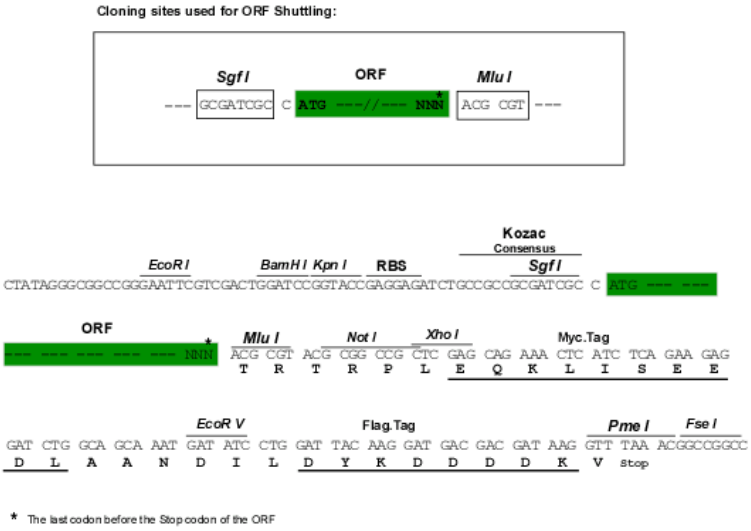
>RC230039 representing NM_001172649
Red=Cloning site Green=Tags(s)

MKEPDAIKLFVGQIPRHLEEKDLKPIFEQFGRIFELTVIKDKYTGLHKGCAFLTYCARDSALKAQSALHE
QKTLPGMNRPIQVKPADSESRGEDRKLFVGMLGKQQTDEDVRKMFEPFGTIDECTVLRGPDGTSKGCAFV
KFQTHAEAQAAINTLHSSRTLPGASSSLVVKFADTEKERGLRRMQQVATQLGMFSPIALQFGAYSAYTQA
LMQQQAALVAAHSAYLSPMATMAAVQMQHMAAINANGLIATPITPSSAQSPAAPVDPLQQAYAGMQHYTA
AYPAAYSLVAPAFPQPPALVAQQPPPPPQQQQQQQQQQQQQQQQREGPDGCNIFIYHLPQEFTDSEILQMF
VPFGHVISAKVFVDRATNQSKCFGFVSFDNPASAQAAIQAMNGFQIGMKRLKVQLKRPKDANRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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: 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_001172649.4

RefSeq ORF: 1248 bp

Locus ID: 11189

UniProt ID: Q5SZQ8

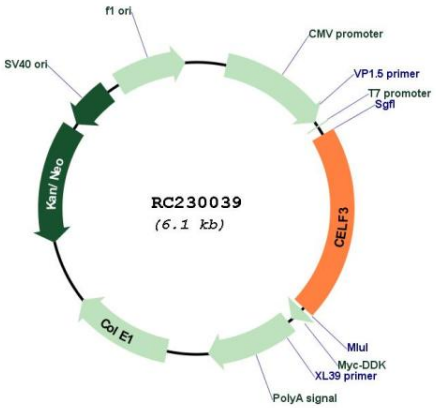
Cytogenetics: 1q21.3

Protein Families: Transcription Factors

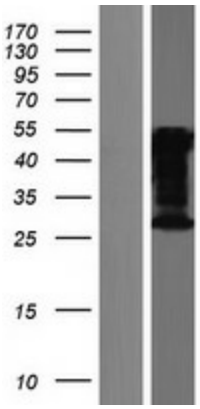
MW: 46.1 kDa

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]

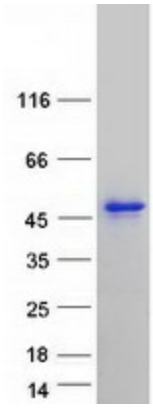
Product images:



Circular map for RC230039



Western blot validation of overexpression lysate (Cat# [LY433039]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230039 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CELF3 protein (Cat# [TP330039]). The protein was produced from HEK293T cells transfected with CELF3 cDNA clone (Cat# RC230039) using MegaTran 2.0 (Cat# [TT210002]).