

## Product datasheet for **RC205606**

### **BRUNOL6 (CELF6) (NM\_052840) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BRUNOL6 (CELF6) (NM_052840) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC205606 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACCGCGCGCCGGGAGGGTCAGCGCAGCCCGTGGCCCCGGCCCGCCTGGGTTTCAGCACCGCGG  
 ACAGCGCGTTCGTCATGAGCGGGCTAAACCCCGTCCCGCGTACCCATGAAGGACCACGACGCCATCAA  
 GCTCTTCGTGGGCGAGATCCCGCGGGGCTTGGACGAGCAGGACCTCAAGCCGCTGTTTCGAGGAGTTCGGC  
 CGCATCTACGAGCTGACGGTGTGAAGGACCGCTCACCGCCTCCACAAAGGCTGTGCCTTCTCACCT  
 ACTGCGCCCGGACTCTGCTCTCAAGGCCAGAGTGCAGTGCACGAGCAGAAGACCCTGCCAGGGATGAA  
 TCGTCCGATCCAAGTGAAGCCAGCTGCCAGTGAAGGCGGAGGAGAGGACCAGAAAGCTGTTTGTGGGGATG  
 CTGGGCAAGCAGCAGGGTGAAGGAGCAGTGCAGCGCTGTTCCAGCCCTTGGCCACATCGAGGAGTGCA  
 CGGTCTCGGGAGTCTGACGGCACCAGTAAAGGCTGTGCCTTTGTGAAGTTCGGGAGTCAAGGGGAAGC  
 TCAGGCGGCCATCCGGGTCTGCACGGCAGCCGACCATGGCGGGCGCCTCGTCCAGCCTCGTGGTCAAG  
 CTGGCGGACACCGACCGGAGCGCGCTGCGGGGATGCAGCAGATGGCCGGCCACCTGGGCGCCTTCC  
 ACCCCGCGCCACTGCCGCTAGGGGCTGCGGCGCCTACACCACGGCGATCCTGCAGCACCAGGCGGCCCT  
 GCTGGCGGCGGCACAGGGCCAGGCCTAGGCCCGGTGGCGGCACTGGCGGCCAGATGCAACACGTGGCG  
 GCCTTTAGCCTGGTAGCTGCGCCTCTGTTGCCCGGCGAGCAGCAACTCCCGCCTGGCAGCGGCCCTG  
 GCACCTCCCAGGCTTCCGGCGCCCATCGGGTCAATGGATTGCGCCCTTGACCCCCAGACCAATGG  
 CCAGCCGGGCTCCGACACGCTCTACAATAACGGGCTCTCCCTTATCCAGCCAGAGCCCCGGCGTGGCT  
 GACCCCTGCAGCAGGCTACGCTGGGATGCACCACTACGAGCAGCCTATCCGTCGGCCTATGCCCCAG  
 TGAGCACAGCTTTTCCAGCAGCCTTACGCCCTGCCAGCAGCAGAGAAGGCCCGCCGAGCTGTAA  
 CCTCTTCACTATCACCTGCCTCAGGAGTTGGTGTGCGGAACATACAGACATTCCTGCCCTTTGGA  
 GCCGTTGTCTCTGCTAAAGTCTTTGTGGATCGAGCCACCAACCAGAGCAAGTGTGTTGGGTTTGTAGTT  
 TTGACAATCCAAGTGTGCCAGACTGCTATTCAGGCGATGAATGGCTTTCAAATGGCATGAAGAGGCT  
 CAAGGCCAGCTAAAGCGGCCCAAGGATGCCAACCGGCCCTTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC205606 protein sequence  
 Red=Cloning site Green=Tags(s)

MTAAPGGSAPAGPGRLLGFSTADSGVMSGLNPGPAVPMKDHDIAIKLFVQIPRGLDEQDLKPLFEFEG  
 RIYELTVLKDRLTGLHKGCAFLTYCARDSALKAQSALHEQKTLPGMNRPIQVKPAASEGRGEDRKLFGVM  
 LGKQQGEEDVRRLLFPFGHIEECTVLRSPDGTSGKCAFVKFGSQGEAQAIRGLHGSRTMAGASSSLVVK  
 LADTDRELRALRRMQMAGHLGAFHPAPLPLGACGAYTTAILQHQAALLAAQGPGLGPVAAVAAQMQHVA  
 AFSLVAAPLLPAAAANSPPGSGPGTLPGLPAPIGVNFGPPLTPQTNGQPGSDTLYNNGLSPYPAQSPGVA  
 DPLQQAYAGMHYAAAYPSAYAPVSTAFPQQPSALPQQQREGPEGCNLFYIYHLPQEFGDAELIQTFLPFG  
 AVVSAKFVDRATNQSCKCFVFSFDNPTSQAQTAIQAMNGFQIGMKRLKAQLKRPKDNRPY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6682\\_e09.zip](https://cdn.origene.com/chromatograms/mk6682_e09.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_052840

**ORF Size:** 1443 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\\_052840.2](#)
**RefSeq Size:** 3418 bp

**RefSeq ORF:** 1446 bp

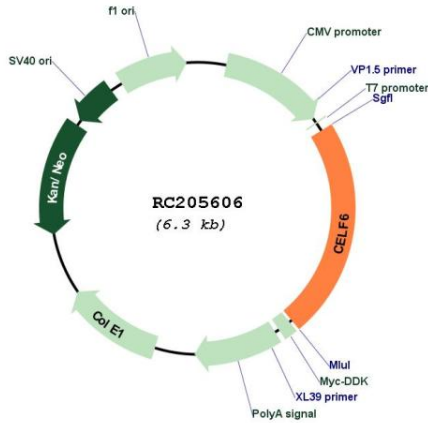
**Locus ID:** 60677

**UniProt ID:** [Q96J87](#)
**Cytogenetics:** 15q23

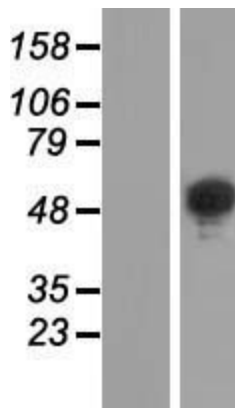
**MW:** 50.5 kDa

**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]

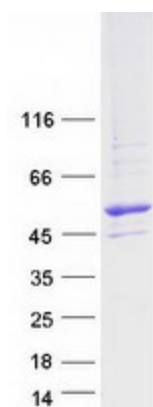
**Product images:**



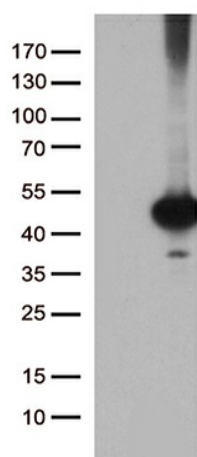
Circular map for RC205606



Western blot validation of overexpression lysate (Cat# [LY409451]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205606 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CELF6 protein (Cat# [TP305606]). The protein was produced from HEK293T cells transfected with CELF6 cDNA clone (Cat# RC205606) using MegaTran 2.0 (Cat# [TT210002]).



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CELF6 (Cat# RC205606, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CELF6 (Cat# [TA811938])(1:2000). Positive lysates [LY409451] (100ug) and [LC409451] (20ug) can be purchased separately from OriGene.