

Product datasheet for **RR212848**

Celf4 (NM_001107400) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Celf4 (NM_001107400) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Celf4
Synonyms: Brunol4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212848 representing NM_001107400
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCAACAAGCAACAATCTGAGGACGACGTGCGCCGCTCTTCGAGGCCTTCGGGAACATCGAGGAGT
GCACTATCCTGCGCGGGCCGACGGCAACAGCAAGGGGTGCGCCTTTGTGAAGTACTCCTCCCATGCCGA
GGCACAAGCCGCCATCAACGCTCTACATGGCAGCCAGACCATGCCTGGAGCCTCCTCCAGCTGGTGGTC
AAGTTTGCAGACACTGACAAGGAGCGCACAAATGCGACGGATGCAGCAGATGGCTGGCCAGATGGGCATGT
TCAACCCCATGGCCATCCCCTTCGGAGCCTATGGAGCCTACGCTCAGGCACTGATGCAGCAGCAAGCAGC
CCTCATGGCATCGGTGCTCAAGGAGGCTACCTGAATCCCATGGCTGCCTTCGCTGCCGCCAGATGCAG
CAGATGGCGGCCCTCAACATGAATGGCCTAGCAGCCGCACCTATGACCCCAACTCAGGTGGCAGCACCC
CTCCAGGCATCACTGCACCAGCTGTGCCTAGCATCCCCTCCCCATTGGGGTGAACGGCTTACCCGGCT
CCCCCACAGGCAATGGGCAGCCTGCTGCGGAAGCTGTGTTGCCAATGGCATTACCCCTACCCAGCA
CAGAGCCCCACCGCAGCGGACCCCTGCAGCAGCCTACGCCGGAGTGCAGCAGTATGCAGGACCTGCTG
CCTACCTGCTGCCTATGGTCAGATAAGCCAGGCCTTTCCTCAGCCACCGCCAATGATTCACCCAGCAACA
GAGAGAAGGGCCCGAGGGCTGTAACTGCTCATCTACCATCTGCCCCAGGAGTTTGGGGACGCTGAGCTG
ATGCAGATGTTCCCTTCCTTCGGCTTCGTGAGCTTCGACAACCCGGCCAGCGCCAGACCCCATCCAGG
CCATGAACGGCTTCCAGATAGGCATGAAGAGGCTCAAGGTGCAGCTGAAGCGGCCAAAGACGCCAATCG
CCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212848 representing NM_001107400
 Red=Cloning site Green=Tags(s)

MLNKQSEDDVRRLEAFVGNIEECTILRPGDGNKGCFAVKYSSHAEQAALNHLGHSQTMPGASSSLVV
 KFADTDKERTMRRMQMAGQMGMFNPMIIPFGAYGAYAQLMQQAALMASVAQGGYLNPMAAFAAAQMQ
 QMAALNMNGLAAAPMPTPTSGGSTPPGITAPAVPSIPSPIGVNGFTGLPPQANGQPAEEAVFANGIHPYPA
 QSPTAADPLQQAYAGVQQYAGPAAYPAAYGQISQAFPPPPMIPQQQREGPEGCNLLIYHLPQEFGDAEL
 MQMFLPFGFVSDNPASQTAIQAMNGFQIGMKRLKVQLKRPKDANRPY

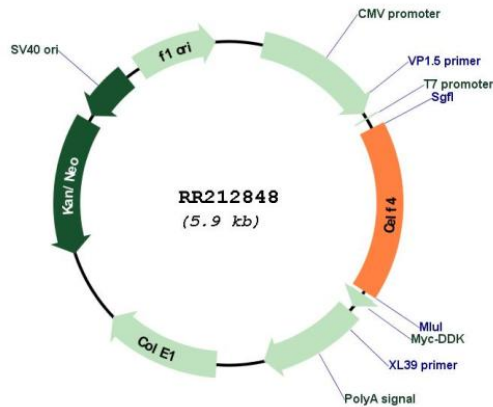
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107400

ORF Size: 987 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_001107400.1 , NP_001100870.1
RefSeq Size:	3473 bp
RefSeq ORF:	990 bp
Locus ID:	307540
Cytogenetics:	18p12
MW:	34.9 kDa