

Product datasheet for **MR207757**

Celf4 (NM_001146293) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Celf4 (NM_001146293) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Celf4
Synonyms:	A230070D14Rik; Brul4; BRUNOL-4; Brunol4; C130060B05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207757 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCGAGCCTCAGTACCAACGGGCTAG
 GCAGCAGCCCGGGCAGCGCCGGGCATATGAACGGATTAAGCCACAGCCCGGGGAACCCGTCGACCATTCC
 CATGAAGGACCACGATGCCATCAAGCTGTTTCATTGGGCAGATCCCCGAAACCTGGATGAGAAGGACCTC
 AAGCCCCTCTTCGAGGAGTTCGGCAAGATCTACGAGCTTACGGTTCTGAAGGACAGGTTACAGGCATGC
 ACAAAGGCTGCGCTTTCCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCAGAGCGCGCTGCACGA
 GCAGAAGACCCTGCCCGGATGAACCGGCCATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGGT
 AGTAGCTGCCTGCGCCAGCCCCCTTCAAGATAGAAACTCTTCGTGGGTATGCTCAACAAGCAACAAT
 CTGAGGACGACGTGCGCCGCTTTCGAGGCCCTCGGGAACATCGAGGAGTGCATATCCTGCGCGGGCC
 GGACGGCAACAGCAAGGGGTGCGCCTTTGTGAAGTACTCTCCCATGCCAGGCACAAGCCGCCATTAAC
 GCTCTACATGGCAGCCAGACCATGCCTGGAGCCTCCTCCAGCCTGGTGGTCAAGTTTGCAGACACTGACA
 AGGAGCGCACAATGCGACGGATGCAGCAGATGGCTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCC
 CTTTCGAGCCTATGGCGCTATGCTCAGGCACTGATGCAGCAGCAAGCAGCCCTCATGGCATCGGTGCGG
 CAAGGAGGCTACCTGAATCCCATGGCTGCCTTCGCTGCCGCCAAATGCAGCAGATGGCGGCCCTCAACA
 TGAATGGCCTGGCAGCCGCACCTATGACCCCAACCTCAGGTGGCAGCACCCCTCCAGGCATCACTGCACC
 AGCTGTGCTAGCATCCCATCCCCATTGGGGTGAACGGCTTACGGGCCCTCCCCCTCAGGCCAATGGG
 CAGCCTGCTGCGAAGCTGTGTTTGCCAATGGCATTACCCCTACCCAGCACAGAGCCCCACCCGACGCC
 ACCCCCTGCAGCAGGCCCTACGCTGGAGTGCAGCAGTATGCAGGACCTGCCTACCTGCTGCTATGGTCA
 GATTAGCCAGGCCTTTCCTCAGCCACCGCCAATGATTCCCCAGCAACAGAGAGAAGGGCCCGAGGGCTGT
 AACCTGCTCATCTACCATCTGCCCCAGGAGTTTGGGGACGCTGAGCTGATGCAGATGTTCTCCCTTTCG
 GCTTCGTGAGCTTCGACAACCCGGCCAGCGCACAGACCGCCATCCAGGCCATGAACGGCTTCCAGATAGG
 CATGAAGAGGCTCAAGGTGCAGCTGAAGCGGCCCAAGACGCCAATCGCCCGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207757 protein sequence
 Red=Cloning site Green=Tags(s)

MYIKMATLANGQADNASLSTNGLSSSPGSAGHMNGLSHSPGNPSTIPMKDHDAIKLFIGQIPRNLDEKDL
 KPLFEFEGKIYELTVLKDRFTGMHKGCAFLTYCERESALKAQSALHEQKTLPGMNRPIQVKPADSESRRG
 SSCLRQPPSQDRKLFVGM LNKQSEDDVRRLEAFGNIEECTILRGPDGNSKGCFAVKYSSHAEAQAIAIN
 ALHGSQTMPGASSLVVKFADTDKERTMRRMQMAGQMGMFNPMIIPFGAYGAYAALMQQAALMASVA
 QGGYLNPMAAF AAAQM QMAALNMNGLAAAPMTPTSGGSTPPGITAPAVPSIPSPIGVNGFTGLPPQANG
 QPAAEAVFANGIHPYPAQSPTAADPLQAYAGVQYAGPAYPAAYGQISQAFPQPPMIPQQQREGPEGC
 NLLIYHLPQEFGDAELMQMFLPFVGFVFDNPASAQTAIQAMNGFQIGMKRLKVQLKRPKDANRPY

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

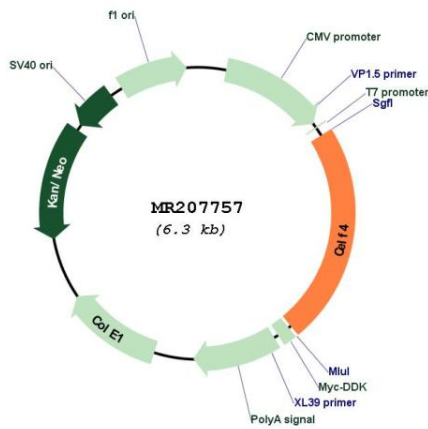
Sgfl-MluI

Cytogenetics: 18 A2

MW: 51.9 kDa

Gene Summary: RNA-binding protein implicated in the regulation of pre-mRNA alternative splicing. Mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of cardiac isoforms of TNNT2 during heart remodeling at the juvenile to adult transition. Promotes exclusion of both the smooth muscle (SM) and non-muscle (NM) exons in actinin pre-mRNAs. Activates the splicing of MAPT/Tau exon 10. Binds to muscle-specific splicing enhancer (MSE) intronic sites flanking the alternative exon 5 of TNNT2 pre-mRNA (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207757