

Product datasheet for **MR226025**

Cfb (NM_008198) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfb (NM_008198) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cfb
Synonyms:	A1195813; A1255840; B; Bf; C2; Fb; H2-Bf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226025 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAATGGAGAGCCCCAGCTCTGCCTCGTCTCTTGGTCTTAGGCTTCTCCTCTGGAGGTGTGAGCG
 CAACTCCAGTGCTTGAGGCCCGGCCCAAGTCTCTGCTCTCTGGAGGGAGTAGAGATCAAAGGCGGCTC
 CTTTCACTTCTCCAAGCGGTCAAGCCCTGGAGTACCTATGTCCCTCTGGCTTCTACCCATACCCCGTG
 CAGACTCGAACCTGCAGATCCACAGGCTCTGGAGCGACCTGCAGACCCGAGACAAAAGATTGTCCAGA
 AGGCGGAATGCAGAGCAATACGCTGCCACGACCCGAGGACTTTGAAAATGGGGAATTCTGGCCCCGGTC
 CCCCTTCTACAACCTGAGTGACCAGATTCTTTTCAATGCTATGATGGTTACGTTCTCCGGGGCTCTGCT
 AATCGCACCTGCCAAGAGAATGGCCGGTGGGATGGGCAACAGCAATTTGTGATGATGGAGCTGGATACT
 GTCCCAATCCCGGATTCTCTATTGGGACAAGGAAGGTGGGTAGCCAATACCGCTTGAAGACATTGTTAC
 TTACCACTGCAGCCGGGACTTGTCTGCGTGGCTCCAGAAGCGAAAGTGTCAAGAAGGTGGCTCATGG
 AGTGGGACAGAGCTTCCCTGCCAAGATTCTTCATGTATGACAGCCCTCAAGAAGTGGCCGAAGCATTCC
 TATCCTCCCTGACAGAGACCATCGAAGGAGCCGATGCTGAGGATGGGCACAGCCAGGAGAACAGCAGAA
 GAGGAAGATTGTCTAGACCCCTCGGGCTCCATGAATATCTACCTGGTGTAGATGGATCAGACAGCATC
 GGAAGCAGCAACTTACAGGGGGTAAGCCGTGCCTCACCAACTGATTGAGAAGGTGGCGAGTTACGGGG
 TGAGGCCACGATATGGTCTCTGACATATGCTACAGTCCCAAGTGTGGTTCAGAGTGTCTGATGAGAG
 GAGTAGCGATGCCGACTGGGTACAGAGAAGCTCAACCAATCAGTTATGAAGACCACAAGCTGAAGTCA
 GGGACCAACCAAGAGGGCTCTCCAGGCTGTGTATAGCATGATGAGCTGGCAGGGGATGCCCGCCTG
 AAGGCTGGAATAGAACCCGCATGTCATCATTATGACTGATGGCTTGACAACATGGGTGAAACCC
 TGTCACTGTCATTCAAGACATCCGAGCCTTGTGGACATCGGCAGGGATCCCAAAAATCCAGGGGAGAT
 TACCTGGATGTGTATGTGTTGGGGTCGGGCTCTGGTGGACTCCGTGAACATCAATGCCTTAGCTTCCA
 AAAAGGACAATGAGCATCATGTGTTAAAGTCAAGGATATGGAAGACCTGGAGAATGTTTCTACCAAAAT
 GATTGATGAAACCAATCTCTGAGTCTCTGTGGCATGGTGTGGGAGCATAAAAAAGGCAACGATTATCAT
 AAGCAACCATGGCAAGCCAAGATCTCAGTCACTCGCCCTCTGAAAGGACATGAGACCTGTATGGGGCCG
 TGGTGTCTGAGTACTTCGTGCTGACAGCAGCGCACTGCTTCATGGTGGATGATCAGAAACATTCCATCAA
 GGTGAGCGTGGGGGTGAGAGCCGGACCTGGAGATTGAAGAGGTCTGTCCACCCCAATACAATATT
 AATGGGAAAAGGCAGAAGGGATCCCTGAGTTCTATGATTATGATGTGGCCCTAGTCAAGCTCAAGAACA
 AGCTCAAGTATGGCCAGACTCTCAGGCCATCTGTCTCCCTGCACGGAGGGAACACACAGCCTTGAG
 GCTTCTCAGACAGCCACCTGCAAGCAGCAAGGAACAGTTGCTCCCTGTGAAGGATGTCAAAGCTCTG
 TTTGTATCTGAGCAAGGGAAGAGCCTGACTCGGAAGGAGGTGTACATCAAGAATGGGGACAAGAAAGCCA
 GTTGTGAGAGAGATGCTACAAAGGCCAAAGGCTATGAGAAGGTCAAAGATGCCTCTGAGGTGGTCACTCC
 ACGGTTCTCTGCACAGGAGGGGTGGATCCCTATGCTGACCCCAACACATGCAAAGGAGATTCCGGGGGC
 CCTCTCATTGTTCAAGAGAAGCCGCTTCAATCAAGTTGGTGTGATTAGCTGGGGAGTAGTAGATGTCT
 GCAGAGACCAGAGCGGCAACAGCTGGTACCCTTATGCCGGGACTTCCACATCAACCTCTTCCAGGT
 GCTGCCCTGGCTAAAGGACAAGCTCAAAGATGAGGATTTGGGTTTCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226025 protein sequence
 Red=Cloning site Green=Tags(s)

MTMESPQLCLVLLVLFSSGGVSATPVLEARPQVSCSLEGVEIKGGSFQLLQGGQALEYLCPSGFYPYPV
 QTRTCRSTGWSLDQTRDQKIVQKAECRAIRCPRPQDFENGEFWPRSPFYNLSDQISFQCYDGYVLRGSA
 NRTCQENGRWDGQTAICDDGAGYCPNPGIPIGTRKVGVSQYRLEDIVTYHCSRGLVLRGSQKRKCQEGGSW
 SGTEPSCQDSFMYDSPQEVAEAFLLSSLTETIEGADAEDGHSPGEQQKRKIVLDPGSMNIYLVLDGSDSI
 GSSNFTGAKRCLTNLIEKVASYGVRPRYGLLTYATVPKVLVVRVSDERSDADWVTEKLNQISYEDHKLKS
 GTNTRKRALQAVYSMSWAGDAPPEGWNRTRHVIIIMTDGLHNMGNPVTVIQDIRALLDIGRDPKNPRED
 YLDVYVFGVGPLVDSVINALASKKDNEHHVFKVMDLENVFYQMIDETKSLSLCGMVWEHKKGNDYH
 KQPWQAKISVTRPLKGHETCMGAVVSEYFVLTAAHCFMVDQKHSIKVSVGGQRRDLEIEEVL FHPKYNI
 NGKKAEGIPEFYDYDVALVKLKNLKYQTLRPICLPCTEGTTRALRPLQTATCKQHKEQLLPVKDVKAL
 FVSEQGKSLTRKEVYIKNGDKKASCERDATKAQGYEKVKDASEVVTPrFLCTGGVDPYADPNTCKGDSGG
 PLIVHKRSRFIQGVVISWGVVDVCRDQRRQLVPSYARDFHINLFQVLPWLKDKLKDEDLGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

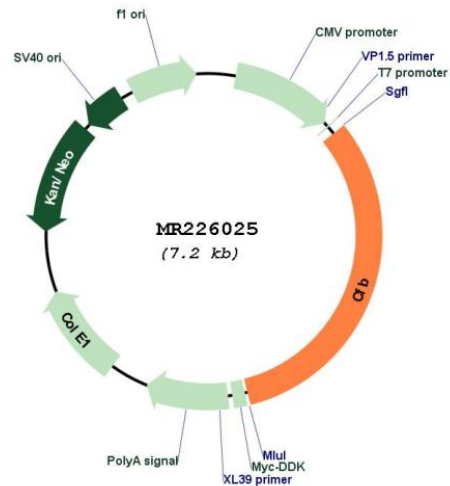
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_008198

ORF Size: 2289 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_008198.2](#), [NP_032224.2](#)

RefSeq Size: 2767 bp

RefSeq ORF: 2292 bp

Locus ID: 14962

Cytogenetics: 17 18.41 cM

MW: 85.2 kDa