

Product datasheet for **RC228252**

CGREF1 (NM_001166239) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CGREF1 (NM_001166239) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CGREF1
Synonyms:	CGR11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC228252 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001166239, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCCTCTGACCATGACCGTACTCATCTGCTCCTTCTCCACCGGCCAAGCCGCCCTAAAGACG
 GGGTGACTCGGCCGATTCTGAAGTCCAGCATCAACTGCTGCCAAACCCCTTCCAACCCGGTCAGGAGCA
 ACTGGGCTGCTTCAGTCTACCTGAAGGGCTGGGTAGAACCGAGGTGCAGCTGGAGCACCTGTCTAGG
 GAGCAAGTCTTCTGTATCTGTTTTCGTTGCATGATTACGACCAGTCAGGCCAGCTGGATGGCTTGAAC
 TGTTGAGTATGCTCACCGCCGACTGGCTCCAGGGGCAGCAAACAGCCCAACCACAAACCCCTGTTATTCT
 GATCGTTGATAAGGTGCTGGAGACACAGGACCTGAACGGTGATGGGTTGATGACTCCAGCAGAATTGATA
 AACTTCCCGGGTGTGGCCCTTAGACACGTTGAGCCTGGCGAACCCCTGGCACCCCTCCCCACAGGAGCCCC
 AAGCCGTGGGACGGCAATCTCTGCTTGTAAGTCAACCCCTGAGACAGGAAACGCAGGAGGCTCCTGGCCC
 CAGGGAGGAAGCTAAGGGCCAAGTTGAAGCTAGGCGCGAATCACTTGACCCCGTGCAGGAGCCCGGGCGC
 CAGGCGGAAGCCGACGGCGATGTCCCGGCCCGCAGGCGAGGCTGAGGGACAGGCGGAGGCAAAAGGAG
 ACGCCCCAGGACCTCGCGGAGAAGCTGGGGGCGAGGCTGAGGCTGAAGGTGATGCACCAGGGCCGAGAGG
 CGAAGCAGGCGGACAGGCGGAAGCCGAAGGCGATGCGCCCGGGCCTCGCGGGGAGGCAGGCGGACAAGCT
 GAGGCCAGAGAAAATGGCGAGGAAGCGAAAGAGTTGCCTGGCGAGACTCTGGAGAGCAAAAATACCCAGA
 ACGATTTTGAAGTGCACATAGTACAAGTAGAAAATGATGAAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228252 representing NM_001166239
 Red=Cloning site Green=Tags(s)

MLPLTMTVLILLLLPTGQAAPKDGVTRPDSEVQHQLLPNPFQPGQEQGLLQSYLKGLGRTEVQLEHLR
 EQVLLYLFALHDYDQSGQLDGLELLSMLTAALAPGAANSPTTNPVILIVDKVLETQDLNGDGLMTPAELI
 NFPGVALRHVEPGEPLAPSPQEPQAVGRQSLAKSPLRQETQEAPGPREEAKGQVEARRESLDPVQEPGG
 QAEADGDVPGPRGEAEGQAEAKGDAPGPRGEAGGQAEAEGDAPGPRGEAGGQAEAEGDAPGPRGEAGGQA
 EARENDEEAKELPGETLESKNTQNDFEVHIVQVENDEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

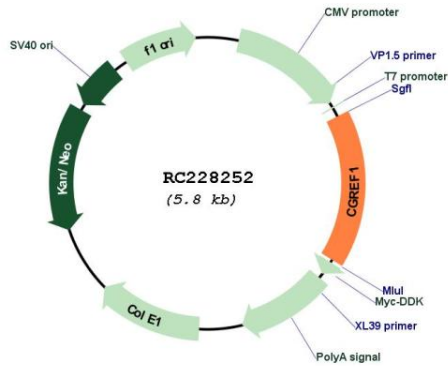
Restriction Sites:

SgfI-MluI

MW: 33.5 kDa

Gene Summary: Mediates cell-cell adhesion in a calcium-dependent manner (By similarity). Able to inhibit growth in several cell lines.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228252