

Product datasheet for **RC228052**

CGREF1 (NM_001166241) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence: >RC228052 representing NM_001166241
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGACAGCTGCTCTGGCCCTGGAGCTGCCAACTCTCTACCACCAACCCGGTGATCTTGATAGTGG
ACAAAGTGCTCGAGACCCAGGACCTGAATGGGGATGGGCTCATGACCCCTGCTGAGCTCATCAACTTCCC
GGGAGTAGCCCTCAGGCCTTACCCACCTATATTGGAGTTGGCCCAATCCAATATGTGTTCCAGATCG
GACCTCCCTGAGGACAGCAACTCTGTATCCTGGGTACATTTGTGGCTGAGGCACGCCCTAATTCCA
AGGGCAACCTGGACGCCAGGCTGGATGGAGGGGAGAAGGCGATGCAGCCGCAATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228052 representing NM_001166241
Red=Cloning site Green=Tags(s)

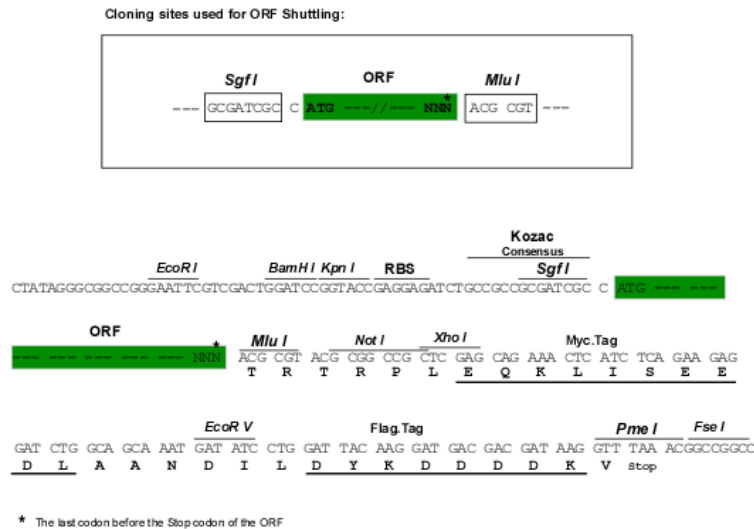
MLTAALAPGAANSPTTNPVILIVDKVLETQDLNGDGLMTPAELINFPGVALRPYPYIGVGPNSNMCSRS
DLPEDSNTLYPGSHLWLRHALNSKGNLDARLDGGEKAMQPQW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001166241

ORF Size: 336 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:

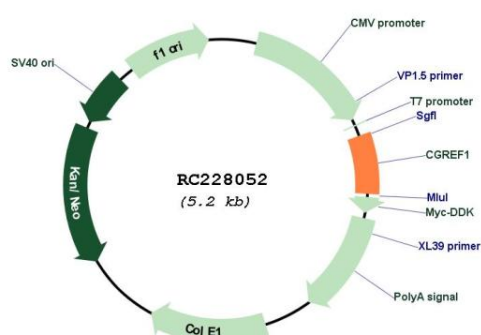
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	<u>NM_001166241.1, NP_001159713.1</u>
RefSeq ORF:	339 bp
Locus ID:	10669
Cytogenetics:	2p23.3
MW:	11.8 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 RC228052