

Product datasheet for **RC228073**

CGREF1 (NM_001166240) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CGREF1 (NM_001166240) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CGREF1
Synonyms: CGR11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC228073 representing NM_001166240
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTACTTTGACGATGACAGTGTTAATCCTGCTGCTGCTCCCCACGGGTCAGGCTGCCCAAAGGATG
GAGTCACAAGGCCAGACTCTGAAGTGCAGCATCAGCTCCTGCCCAACCCCTCCAGCCAGGCCAGGAGCA
GCTCGGACTTCTGCAGAGCTACCTAAAGGGACTAGGAAGGACAGAAGTGC**AACTGGAGCATCTGAGCCGG**
GAGCAGGTTCTCCTCTACCTCTTTGCCCTCCATGACTATGACCAGAGTGGACAGCTGGATGGCCTGGAGC
TGCTGTCCATGTTGACAGCTGCTCTGGCCCTGGAGCTGCCAACTCTCTACCACCAACCCGGGCAACCT
GGACGCCAGGCTGGATGGAGGGGAGAAGGCGATGCAGCCGCAATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228073 representing NM_001166240
Red=Cloning site Green=Tags(s)

MLPLTMTVLILLPTGQAAPKDGVTRPDSEVQHQLLPNPFQPGQEQLGLLQSYLKGLGRTEVQLEHLRSR
EQVLLYLFALHDYDQSGQLDGLELLSMLTAALAPGAANSPTTNPGLDARLDGGEKAMQPQW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<u>NM_001166240.1</u> , <u>NP_001159712.1</u>
RefSeq ORF:	399 bp
Locus ID:	10669
UniProt ID:	<u>Q99674</u>
Cytogenetics:	2p23.3
MW:	14.2 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]