

Product datasheet for **RG228052**

CGREF1 (NM_001166241) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CGREF1 (NM_001166241) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CGREF1
Synonyms: CGR11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228052 representing NM_001166241
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGACAGCTGCTCTGGCCCTGGAGCTGCCAACTCTCCTACCACCAACCCGGTGATCTTGATAGTGG
ACAAAGTGCTCGAGACCCAGGACCTGAATGGGGATGGGCTCATGACCCCTGCTGAGCTCATCAACTTCCC
GGGAGTAGCCCTCAGGCCTTACCCACCCTATATTGGAGTTGGCCCAATCCAATATGTGTTCCAGATCG
GACCTCCCTGAGGACAGCAACTCTGTATCCTGGGTACATTTGTGGCTGAGGCACGCCCTTAATTCCA
AGGGCAACCTGGACGCCAGGCTGGATGGAGGGGAGAAGGGCATGCAGCCGCAATGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228052 representing NM_001166241
Red=Cloning site Green=Tags(s)
MLTAALAPGAANSPTTNPVILIVDKVLETQDLNGDGLMTPAELINFPGVALRPYPPYIGVGPNSNMCSRS
DLPEDSNTLYPGSHLWLRHALNSKGNLDARLDGGEKAMQPQW

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

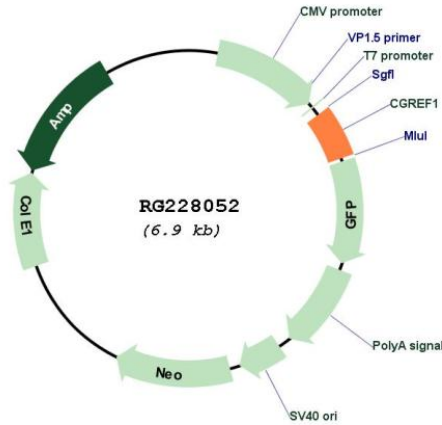


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Cloning Scheme:



Plasmid Map:



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:	<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_001166241.1, NP_001159713.1</u>
RefSeq Size:	1408 bp
RefSeq ORF:	339 bp
Locus ID:	10669
Cytogenetics:	2p23.3
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]