

Product datasheet for **RG206520**

CGREF1 (NM_006569) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CGREF1 (NM_006569) 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:	>RG206520 representing NM_006569 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTACCTTTGACGATGACAGTGTTAATCCTGCTGCTGCTCCCCACGGGTCAGGCTGCCCAAAGGATG
GAGTCACAAGGCCAGACTCTGAAGTGCAGCATCAGCTCCTGCCCAACCCCTTCCAGCCAGGCCAGGAGCA
GCTCGGACTTCTGCAGAGCTACCTAAAGGGACTAGGAAGGACAGAAGTGC AACTGGAGCATCTGAGCCGG
GAGCAGGTTCTCCTCTACCTCTTTGCCCTCCATGACTATGACCAGAGTGGACAGCTGGATGGCCTGGAGC
TGCTGTCCATGTTGACAGCTGCTCTGGCCCTGGAGCTGCCAACTCTCCTACCACCAACCCGGTGATATT
GATAGTGGACAAAGTGC TCGAGACGCAGGACCTGAATGGGGATGGGCTCATGACCCTGTGAGCTCATC
AACTTCCC GGAGTAGCCCTCAGGCACGTGGAGCCCGGAGAGCCCTTGCTCCATCTCCTCAGGAGCCAC
AAGCTGTTGGAAGGCAGTCCCTATTAGCTAAAAGCCCA TTAAGACAAGAAACACAGGAAGCCCTGGTCC
CAGAGAAGAAGCAAAGGGCCAGGTAGAGGCCAGAGGGGAGTCTTTGGATCCTGTCCAGGAGCCTGGGGGC
CAGGCAGAGGCTGATGGAGATGTTCCAGGGCCAGAGGGGAAGCTGAGGGCCAGGCAGAGGCTAAAGGAG
ATGCCCTGGGGCCAGAGGGGAAGCTGGGGCCAGGCAGAGGCTGAAGGAGATGCCCCGGGGCCAGAGG
GGAAGCTGGGGCCAGGCAGAGGCCAGGGAGAATGGAGAGGAGGCCAAGGA ACTTCCAGGGAAACACTG
GAGTCTAAGAACACCCAAATGACTTTGAGGTGCACATTGTTCAAGTGGAGAATGATGAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206520 representing NM_006569
 Red=Cloning site Green=Tags(s)

MLPLTMTVLILLLLPTGQAAPKDGVTRPDSEVQHQLLPNPFQPGQEQLGLLQSYLKGLGRTEVQLEHL SR
 EQVLLYLFALHDYDQSGQLDGLELLSMLTAALAPGAANSPTTNPVILIVDKVLETQDLNGDGLMTPAELI
 NFPGVALRHVEPGEPLAPSPQEPQAVGRQSL LAKSPLRQETQEAPGPREEAKGQVEARRESLDPVQEPGG
 QAEADGDVPGPRGEAEGQAEAKGDAPGPRGEAGGQAEAEADGAPGPRGEAGGQAEARENGEEAKELPGETL
 ESKNTQNDFEVHIVQVENDEI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006569

ORF Size: 903 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_006569.3](#)

RefSeq Size: 1887 bp

RefSeq ORF: 957 bp

Locus ID: 10669

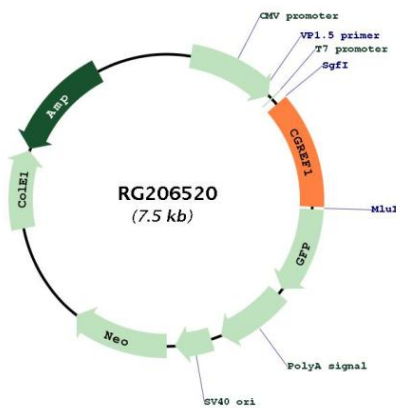
UniProt ID: [Q99674](#)

Cytogenetics: 2p23.3

Domains: EFh

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 RG206520