

Product datasheet for **RG209135**

SERGEF (NM_012139) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERGEF (NM_012139) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERGEF
Synonyms:	DELGEF; Gnefr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209135 representing NM_012139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGCGAGCCAGCGCCTCGGAGGCCGCCCGCGCGGCCGCGCTCTTCGCTGGGTGCAATA
 GCTATGGCAACTTGGCCTCGGCCATAAGGAAGATGTGCTGTTGCCCCAGCAACTGAATGACTTCTGTAA
 ACCCAGGAGTGTCAAGGAGATCACAGGAGAGGGGCCACTCTGCAGTTGTCACAGATGGAGGAGACCTC
 TTTGTTTGTGGCCTGAACAAAGATGGGCAACTGGGGCTTGGTCACACAGAGGATATCCCATATTTTACCC
 CCTGCAATCCCTCTTTGGCTGTCCATCCAACAGGTGGCCTGTGGCTGGGATTTTACGATTATGCTCAC
 AGAAAAATGGTCAAGTTCTATCATGTGGATCCAACCTCTTTGGCCAGTTAGGAGTTCCTCATGGACCTCGA
 AGATGTGTGGTCCCGAGCCATTGAGCTCCATAAAGAGAAGGTTGTTTGTATTGCTGCTGGACTGAGGC
 ATGCAGTAGCTGACAGCGAGTGGCATCGTGTCCAGTGGGGGACTGGTTTGGCATCATGTGGACGACG
 GTTGTGCCCTGGCAGACTCTTCCATTGTTTTTACAGCAAAGGAACCAAGCAGAGTGACAGGTCTAGAG
 AATTCTAAAGCAATGTGTGTTCTTGTGGCTCAGACCCTCAGCTTCATTAACAGATGCAGGAGAGGTGT
 ATGTTTGGGAAGCAACAAGCATGGGCAACTGGCTAATGAGGCTGCTTTCCTTCCTGTGCCCCAGAAAT
 AGAAGCACATTGTTTCCAGAATGAAAAGGTCAGTCCATCTGGAGTGGATGGACACACCTGGTTGCTCAG
 ACAGAACTGGCAAGATGTTTACCTGGGGCCGAGCAGACTATGGTCAGCTAGGGAGGAAGTTGGAGACTT
 ATGAAGGCTGGAACTAGAAAAGCAAGATTCATTTCTCCCTGTTCAAGACCACCGAACAGCATGCCTTC
 GTCTCCGATTGCTTAACTGGAGCAACTGAGGTCTCTTGTGGCTCAGAGCATAATTTGGCAATAATTGGT
 GGAGTGTGTTACTCTTGGGGCTGGAATGAGCATGGCATGTGCGGAGATGGCACTGAAGCCAACGTCTGGG
 CCCCAGCCGGTGCAGGCTCTGCTGTCTCAGGACTCCTTGTGGGCTGTGGGGCTGGCCACTCCTT
 GGCCCTCTGCCAGCTGCCAGCTCACCTGCATTGGTCCAGGACCCCAAGGTCACCTACCTTTCCCCAGAT
 GCCATCGAGGACTGAATCTCAGAAAGCCATGGACAAAGAGAGAACTGGAAGGAAAGACAATCAGAAA
 CTTCAACCCAAAGCCAATCTGACTGGTCCAGAAATGGGGGACTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209135 representing NM_012139
 Red=Cloning site Green=Tags(s)

MEREPSASEAAPAAAALFAWGANSYQLGLGHKEDVLLPQQLNDFCKPRSVRRITGGGGHSAVVTDGGDL
 FVCGLNKDGQLGLGHTEIPYFTPCKSLFGCPIQQVACGWDFITMLTENQVLSGGSNSFGQLGVPHGPR
 RCVVPQAIELHKEKVVCIAAGLRHAVAATASGIVFQWGTGLASCGRRLCPGQTLPLFFTAKEPSRVTGLE
 NSKAMCVLAGSDHSASLTDAGEVYVWGSNKHGQLANEAFLPVPQKIEAHCFQNEKVTAIWSGWTHLVAQ
 TETGKMTWGRADYQLGRKLETYEGWKLEKQDSFLPCSRPPNSMPSSPHCLTGATEVSCGSEHNLAIIIG
 GVCYSWGWNEHGMCGDGTANVWAPKPVQALLSSGLLVGCGAGHSLALCQLPAHPALVQDPKVTYLSPD
 AIEDTESQKAMDKERNWKERQSETSTQSQSDWSRNGGL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_012139

ORF Size: 1374 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: [NM_012139.4](#)

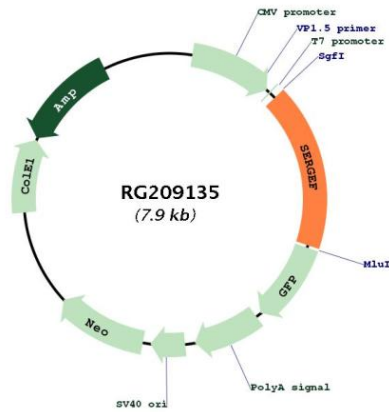
RefSeq Size: 1515 bp

RefSeq ORF: 1377 bp

Locus ID: 26297

UniProt ID: [Q9UGK8](#)
 Cytogenetics: 11p15.1
 Domains: RCC1
 Gene Summary: Probable guanine nucleotide exchange factor (GEF), which may be involved in the secretion process.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209135