

Product datasheet for **MC216299**

Sergef (NM_013789) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sergef (NM_013789) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sergef
Synonyms:	DelGEF; Gef; Gnef; Gnefr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216299 representing NM_013789
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGCGGGAGTCTGCGCTCCGAGACTGTCTGCGGCTGCTGTGCTCTTCGCTGGGGTGCAACA
 GCTATGGGCAACTTGGCCTTGGCCATAAGGAAGATGTGTTTCTGCCCCAGCAACTGAGTGACTTCTGTCA
 AGCTGGGTGTATCAAGAGTGTACAGGAGGAGGAGGGCATTCTGCAGTTGTACAGATGGAGGAGATCTT
 TTTGTTTGTGGCCTGAATAAAGATGGGCAGTTGGGGCTTGGTCACACAGAGGAAGTTCTGCGTTTTACCA
 TCTGCAAGCCTCTCCGTGGTTGTCCATCCGACAGGTGGCCTGTGGCTGGGACTTCACCATCATGCTTAC
 AGAAAAAGGTCAAGTTCTGTCTGTGGATCCAATGCCTTTGGCCAGTTAGGTGTGCCTCACGGCCCTCGC
 AAATGCGTGGTCCCCAGGCCATTGAGTGCCTGAGAGAGAAGTTGTTTGTGCTGCTGCTGGACTGAGGC
 ATGCCTTAGCCACTACAGCGACTGGCAGTGTGTTCCAGTGGGGGACTGGCTTGGCATCTTCTGGTCGACG
 CCTGTGCCCTGGGCAGAACTCTCCACTGTTTTTACAGCAAAGGAACCCAGCAGAGTGACAGGCCTGGAG
 AATTCTACAGCAGTGTGTGCTGTTGCAGGATCTGACCACTCGGCCTCATTAACAGATACAGGAGAGCTGT
 ACGTCTGGGGCCGTAACAAGCATGGGCAGCTGGCCTCCCGCGCTGTGTTCTCTCTGCCCCAGAGAAT
 AGAAGCACATTACTTTACAGGATGAAAAGGTCACTGCTGTCTGGAGTGGCTGGACACACCTGGTTGCTAAG
 ACAGAACTGGCAAGGTGTTTACCTGGGGTCGAGCAGACTATGGTCAGTAGGGAGGAGTTGGAGCCTC
 CTGAAGCTCAGAAACCTGTAGAGCAAGACTCATCGCTCGCCTCCAGGGGCCACAGAACAGTGTGCCTTC
 ACCTCTGCATTGCCTGACAGGAGCAACAGAGATTTCTTGTGGCTCGGAGCACAATTGGCAGTAATTAGG
 GACAAGTGCTGCTCTGGGGTTGGAACGAACACGGCATGTGTGGGATGGCACTGAGTCCAATGTCTGGA
 CTCCAAGTCCAGTGCAGGCTCTGCCACCATCACCATCAAGACTCCTCCTGCTGGGCTGTGGGGCTGGCCA
 CTCCTTGGCCGTATGTACAGTGGCAGCACACCCTGTGCCATGCCAGGATCTCAAGGTACCTGCCCTCTC
 CCAGATGACACAGAGAACACTGAATCTCAGGGTGCCGTGGACAGAGACAGACTGGAGGAGAGACGATCA
 GTGACCTCAACCCAGACAGGACGAGAAATGGGGTGGGGGTGTGAGAGCGAGACCGTTCA**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013789

Insert Size: 1395 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_013789.2</u> , <u>NP_038817.1</u>
RefSeq Size:	1460 bp
RefSeq ORF:	1395 bp
Locus ID:	27414
UniProt ID:	<u>Q80YD6</u>
Cytogenetics:	7 B3
Gene Summary:	Probable guanine nucleotide exchange factor (GEF), which may be involved in the secretion process.[UniProtKB/Swiss-Prot Function]