

Product datasheet for **MG216859**

Rsg1 (NM_001081174) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Rsg1
Synonyms:	6330545A04Rik; Gm723
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216859 representing NM_001081174
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

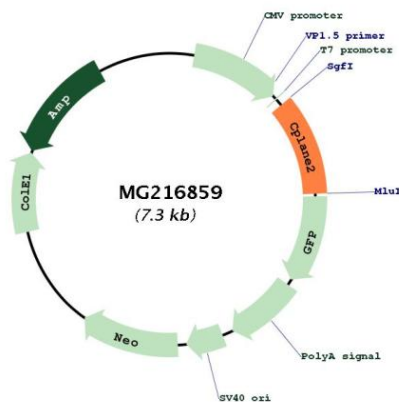
ATGCCAGACCTCCCATGCACGGTTCGGTGATTGTCCAGACTGGCATGAGACGGTCGAGGGTAAGGAGT
ACTTAGCCTGCATCCTGCGCAAGAATCGCCGGCGGGAGTTTGGGTTGCTTGAACGCCCGGTGCTGCCCCC
TTCCGTGGTCATTGATACCGCCAGCTATAAGATCTTTGTGTCCGGGAAGAGTGGTGTGGCAAGACAGCA
CTGGTGGCAAAGCTGGCCGGCCTGGAAGTGCCTATAGTACACCATGAGACCACTGGCATTGAGACCACTG
TGGTGTTTTGCCAGCCAAGCTGAAGGCCAGCGACTGTGTTGTCATGTTCCGTTTTGAATTCTGGGACTG
TGGGGAGTCTGCCCTCAAGAAGTTTGATCACATGCTGCCGGCTTGTAAAGAGAATGCAGATGCCTTCCTC
TTCTCTTTTCTTTCACCGATCGTGCCTCCTTCAAGACCTTCTGGACAGTTGACTCGTGTAGCCGGTG
AAGCTCCTGGGCTCGTCAAGATAGTTATCGGGTCCAAGTTTGATCAGTACATGCACACAGATGTGCCAGC
GCGAGACCTCACAGCCTCCCGCAGGCCTGGAACTGCCCTTGTCCGGGTGAAGAGTGTGCCAGGGCGG
CGGCTGGCAGACGGACGAACACTGGATGGCAGGGCTGGGCTAGCTGACACAGCCATGTGCTCAATGGCC
TTGCAGAACAGTTGTGGCACCAGGACCAGGTGGCAGCCGGCCTGTCCCGACTCCCCAGAGAGTGTCTCC
CGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001081174.2, NP_001074643.1</u>
RefSeq Size:	951 bp
RefSeq ORF:	777 bp
Locus ID:	76166
UniProt ID:	<u>A2A825</u>
Cytogenetics:	4 D3
Gene Summary:	Potential effector of the planar cell polarity signaling pathway. Plays a role in targeted membrane trafficking most probably at the level of vesicle fusion with membranes. Involved in cilium biogenesis by regulating the transport of cargo proteins to the basal body and to the apical tips of cilia. More generally involved in exocytosis in secretory cells (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216859