

Product datasheet for **RG207859**

EXOC8 (NM_175876) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC8 (NM_175876) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EXOC8
Synonyms:	EXO84; Exo84p; NEDMISB; SEC84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG207859 representing NM_175876
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGATGGCGATGTCGGACAGTGGGGCAGCCGCTGCGTCGGCAGCTGGAGTCAGGGGGTTTTGAGG
 CGCGGCTGTACGTGAAGCAGCTCTCGCAGCAGTCGGATGGGGACCGGGACCTCCAGGAGCACCGGCAGCG
 CATCCAGGCGCTGGCGGAGGAGACGGCGCAGAACCTGAAGCGCAACGTCTACCAGAACTACCGGCAGTTC
 ATAGAGACGGCCCGCAGATCTCCTACCTGGAGAGCGAGATGTACCAGCTCAGCCATTTGCTGACCGAGC
 AGAAAAGCAGCCTGGAGAGCATCCCGCTTACGTTGCTGCCTGCCGCTGCTGCCGCCGAGCCGCCGCCGC
 CTCTGGAGGGGAGGAGGAGTGGTGGGGCGGGGCGGAGACCACCTCCGAGGCCAGGCCGGCTTTTTTC
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 TGCATCCTTTTATATGAAACAGTCCTCCCTGTGGTGGAGAAAAGGTTTGAAGAAGGTGTGGGAAACCT
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 TGGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

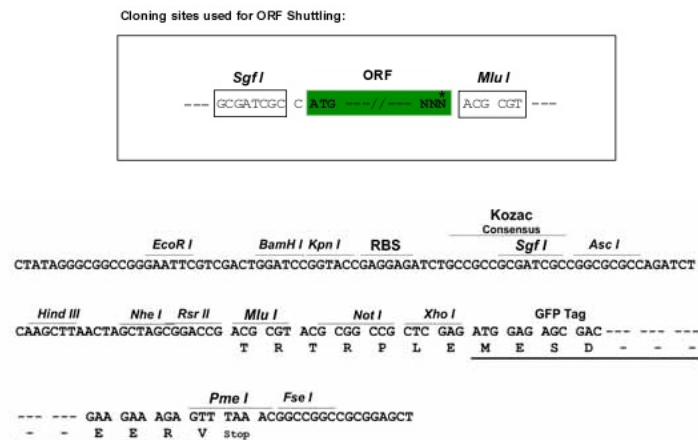
Protein Sequence: >RG207859 representing NM_175876
 Red=Cloning site Green=Tags(s)

MAMAMSDSGASRLRRQLESGGFEARLYVKQLSQQSDGDRDLQEHQRRIQALAEETAQNLKRNYYQNYRQF
 IETAREISYLESEMYQLSHLLTEQKSSLESIPLTLLPAAAAAGAAAASGGEEGVGGAGGRDHLRGQAGFF
 STPGGASRDGSGPGGEGKQRTLTTLEKVEGCRHLLTPGQYL VYNGDLVEYDADHMAQLQRVHGFLMND
 CLLVATWLPQRRGMYRYNALYSLDGLAVNVKDNPPMKDMFKLLMFESRIFQAENAKIKREWLEVEDT
 KRALSEKRRREQEAAAAPRGPPQVTSKATNPFEDDEEEEPAPVEVEEEKVDLSMEWIQELPEDLDVCIAQ
 RDFEGAVDLLDKLNHYLEDKPSPPVKELRAKVEERVRLTEVLVFELSPDRSLRGGPKATRRVSQLIR
 LGQCTKACELFLNRAAAVHTAIRQLRIEGATLLYIHKLCHVFFTSLLETAREFEIDFAGTDSGCYSAFV
 VWAR SAMGMFVDAFSKQVFD SKESLSTAAECVKVAKEHCQQLGDI GLDLTFIIHALLVKDIQ GALHSYKE
 III EATKHRNSEEMWRRMNLMTPEALGKLKEEMKSCGVS NF EQYTGD DCWVNL SYTVVAF TKQTMGFLEE
 ALKLYFPELH MVLLES LVEIILVAVQHVDYSLRCEQDPEKKAFIRQNASFLYETVLPVVEKRFE EGVGKP
 AKQLQDLRNASRLIRVNPESTTSVV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175876

ORF Size: 2175 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_175876.5](#)

RefSeq Size: 5099 bp

RefSeq ORF: 2178 bp

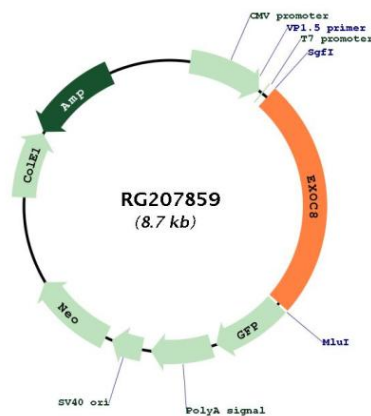
Locus ID: 149371

UniProt ID: [Q8IYI6](#)

Cytogenetics: 1q42.2

Gene Summary: This gene encodes a component of the exocyst complex, an evolutionarily conserved multi-protein complex that plays a critical role in vesicular trafficking and the secretory pathway by targeting post-Golgi vesicles to the plasma membrane. This protein is a target of activated Ral subfamily of GTPases and thereby regulates exocytosis by tethering vesicles to the plasma membrane. Mutations in this gene may be related to Joubert syndrome. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG207859