

## Product datasheet for **RC207859**

### **EXOC8 (NM\_175876) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EXOC8 (NM_175876) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EXOC8
Synonyms:	EXO84; Exo84p; NEDMISB; SEC84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC207859 representing NM\_175876  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGATGGCGATGTCGGACAGTGGGGCAGCCGCTGCGTCGGCAGCTGGAGTCAGGGGTTTTGAGG  
CGCGGCTGTACGTGAAGCAGCTCTCGCAGCAGTCGGATGGGGACCGGGACCTCCAGGAGACCGGCAGCG  
CATCCAGGCGCTGGCGGAGGAGACGGCGCAGAACCTGAAGCGCAACGTCTACCAGAACTACCGGCAGTTC  
ATAGAGACGGCCCGCAGATCTCTACCTGGAGAGCGAGATGTACCAGCTCAGCCATTTGCTGACCGAGC  
AGAAAAGCAGCCTGGAGAGCATCCCGCTTACGTTGCTGCCTGCCGCTGCTGCCGCCGGAGCCGCCCGC  
CTCTGGAGGGGAGGAGGGAGTCCGGTGGGGCGGGGGCCGAGACCACCTCCGAGGCCAGGCCGGCTTTTTTC  
TCCACCCCGGGGTGCCTCCCGCAGCGCTCCGGTCCAGGCGAGGAAGGAAAGCAGCGCACTCTACCA  
CCCTGCTTGAGAAAGTGAAGGCTGCAGGCATCTGCTGGAGACGCCGGGACAGTACTTGGTGTACAATGG  
GGACCTAGTGAATAACGATGCGGACCACATGGCCAACTGCAGCGGGTGCACGGCTTTCTCATGAACGAT  
TGCTTGTGGTGGCTACCTGGCTGCCTCAGCGGGTGGATGTATCGCTACAACGCTCTCTATCCCTAG  
ATGGTTTGGCCGTAGTCAATGTCAAGGACAACCCGCCATGAAGGACATGTTCAAGCTGCTTATGTTCCC  
CGAGAGCCGATTTTTCCAGGCCGAAAATGCTAAAATCAAACGAGAGTGGCTGGAAGTGTGGAGGACACC  
AAGAGGGCCCTCAGTGAGAAAAGGCGAAGGGAGCAGGAGGAGGCAGCGGCCCTCGAGGGCCACCCCAAG  
TGACTTCAAGGCCACTAACCCATTTGAGGATGACGAAGAAGAACCAGCTGTTCTGAGGTAGAGGA  
AGAGAAGTGGACCTCTCCATGGAATGGATCCAGGAGTTACCTGAAGACCTGGATGTCTGCATTGCCAG  
AGAGACTTTGAAGGGCGGTTGACCTGCTGGATAAATTGAACCATTACCTGGAAGATAAACCTAGCCAC  
CTCCTGTAAGAAGAACTAAGGGCCAAAGTGGAGGAGCGAGTTCGACAGCTCACTGAGGTGCTAGTTTTCGA  
ACTCTCCCAGATCGTTCCCTGAGAGGTGGTCCGAAGGCTACTCGCAGAGCAGTTTTCGCAACTGATCCGG  
CTGGGCCAGTGCACGAAGCCTGTGAGCTATTTTTGAGAAAACAGGGCAGCCGCTGTTCACTGCAATTC  
GTCAGCTTCGCATCGAAGGTGCCACTTTACTCTATATTATAAGCTGTGCCATGTCTTTTACCAGCCT  
TCTCGAGACTGCAAGAGAATTTGAGATCGATTTTGCAGGCACTGACAGCGGCTGCTACTCTGCCTTTGTG  
GTCTGGGCAAGATCAGCCATGGGCATGTTCTGGATGCTTTTAGCAAGCAGGTGTTTGTAGTAAGGAGA  
GCCTCTCTACAGCAGCTGAGTGTGTAAGTGGCTAAGGAGCATTGCCAGCACTGGGTGATATCGGACT  
GGATCTCACCTTCATCATCCATGCCCTTCTGGTAAAGACATCCAAGGGCCTTGCACAGTTACAAAGAA  
ATCATCATTGAAGCCACTAAACATCGCAACTCTGAAGAGATGTGGAGGAGGATGAACTTGTGACGCCAG  
AAGCCCTGGGTAAGCTCAAAGAAGAGATGAAAAGTTGTGGGGTAAGTAACTTTGAGCAGTACACAGGGGA  
TGACTGCTGGGTGAACCTAAGTTACACAGTGGTTGCTTTACCAAACAGACCATGGGCTTCTTGAAGAG  
GCCCTGAAGCTGTATTTCCAGAGCTGCACATGGTACTTTTGGAGAGCCTGGTGGAAATCATTTTGGTTG  
CTGTTACAGATGTGGATTATAGTCTTCGATGTGAGCAGGATCCAGAGAAGAAAGCTTTTATCAGACAGAA  
TGCATCCTTTTTATGAAAACAGTCCCTCCTGTGGTGGAGAAAAGGTTTGAAGAAGGTGTGGGAAACCT  
GCCAAGCAACTCCAAGATCTGAGGAATGCATCTAGACTTATTCGTGTGAATCCTGAAAGTACAACATCAG  
TGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC207859 representing NM\_175876  
Red=Cloning site Green=Tags(s)

MAMAMSDSGASRLRRQLESGGFEARLYVKQLSQQSDGDRDLQEHQRRIQALAEETAQNLKRNVYQNYRQF  
 IETAREISYLESEMYQLSHLLTEQKSSLESIPLTLLPAAAAAGAAAASGGEEGVGGAGGRDHLRQAGFF  
 STPGGASRDGSGPGEEGKQRTLTTLLEKVEGCRHLLLETPGOYL VYNGDLVEYDADHMAQLQRVHGFLMND  
 CLLVATWLPQRRGMRYNALYSLDGLAVNVKDNPPMKDMFKLLMFESRIFQAENAKIKREWLEVL EDT  
 KRALSEKRRREQEEAAPRGPPQVTSKATNPFEDDEEEEPVPEVEEEKVDLSMEWIQELPEDLDVCIAQ  
 RDFEGAVDLLDKLNHYLEDKPSPPPVELRAKVEERVRLTEVLVFELSPDRSLRGGPKATRRRAVSQ LIR  
 LGQCTKACELFLRNRAAAVHTAIRQLRIEGATLLYIHKLCHVFFTSLELETAREFEIDFAGTDSGCYSAFV  
 VWARSAMGMFVDAFSKQVFDKESLSTAAECVKVAKEHCQQLGDI GLDLTFIIHALLVKDIQ GALHSYKE  
 IIEATKHRNSEEMWRRMNLMTPEALGKLKEEMKSCGVSNF EQYTGDWCWVNL SYTVVAF TKQTMGFLEE  
 ALKLYPELHMVLLLESLVEIILVAVQHVDSLRC EQDPEKKA FIRQNASFLYETVLPVVEKRFEEGVGPK  
 AKQLQDLRNASRLIRVNPESTTSVV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg4286\\_b02.zip](https://cdn.origene.com/chromatograms/mg4286_b02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_175876

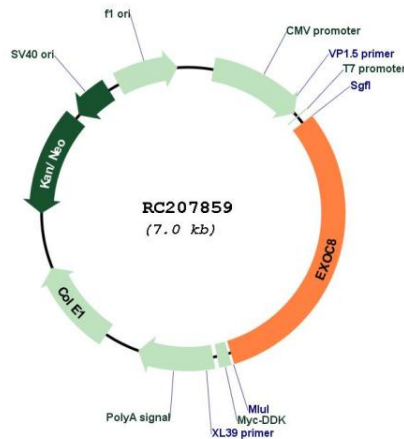
**ORF Size:** 2175 bp

**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](#)

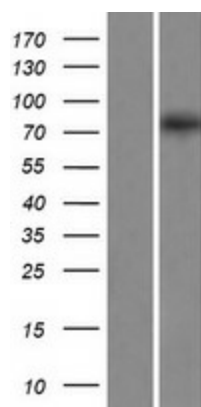
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_175876.5</a></u>
<b>RefSeq Size:</b>	5099 bp
<b>RefSeq ORF:</b>	2178 bp
<b>Locus ID:</b>	149371
<b>UniProt ID:</b>	<u><a href="#">Q8IYI6</a></u>
<b>Cytogenetics:</b>	1q42.2
<b>MW:</b>	81.6 kDa
<b>Gene Summary:</b>	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]

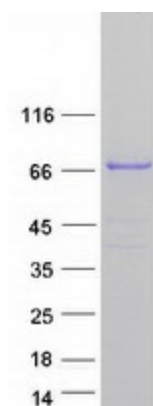
**Product images:**



Circular map for RC207859



Western blot validation of overexpression lysate (Cat# [LY406195]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207859 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EXOC8 protein (Cat# [TP307859]). The protein was produced from HEK293T cells transfected with EXOC8 cDNA clone (Cat# RC207859) using MegaTran 2.0 (Cat# [TT210002]).