

Product datasheet for **SC128095**

EXOC8 (NM_175876) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC8 (NM_175876) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC8
Synonyms:	EXO84; Exo84p; NEDMISB; SEC84
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_175876, the custom clone sequence may differ by one or more nucleotides

```

ATGGCGATGGCGATGTCGGACAGTGGGGCAGCCGCTGCGTCGGCAGCTGGAGTCAGGGGTTTTGAGG
CGCGGCTGTACGTGAAGCAGCTCTCGCAGCAGTCGGATGGGGACCGGGACCTCCAGGAGCACCGGCAGCG
CATCCAGGCGCTGGCGGAGGAGACGGCGCAGAACCTGAAGCGCAACGTCTACCAGAACTACCGGCAGTTT
ATAGAGACGGCCCGGAGATCTCCTACCTGGAGAGCGAGATGTACCAGCTCAGCCATTTGCTGACCGAGC
AGAAAAGCAGCCTGGAGAGCATCCCGCTTACGTTGCTGCCTGCCGCTGCTGCCGCGGAGCCGCCCGCGC
CTCTGGAGGGGAGGAGGGAGTCCGTTGGGGCGGGGGCCGAGACCACCTCCGAGGCCAGGCCGGCTTTTTT
TCCACCCCGGGGGTGCCTCCCGCAGCGCTCCGGTCCAGGCGAGGAAGGAAAGCAGCGCACTCTCACCA
CCCTGCTTGAGAAGGTGGAAGGCTGCAGGCATCTGCTGGAGACGCCGGGACAGTACTTGGTGTACAATGG
GGACCTAGTGAATACGATGCGGACCACATGGCCCACTGCAGCGGGTGCACGGCTTTCATGAACGAT
TGCTTGTGGTGGCTACCTGGCTGCCTCAGCGGCTGGGATGTATCGCTACAACGCTCTCTATTCCCTAG
ATGGTTTGGCCGTAGTCAATGTCAAGGACAACCCGCCATGAAGGACATGTTCAAGCTGCTTATGTTCCC
CGAGAGCCGTATTTCCAGGCCGAAAATGCTAAAATCAAACGAGAGTGGCTGGAAGTGTGGAGGACACC
AAGAGGGCCCTCAGTGAGAAAAGGCGAAGGGAGCAGGAGGAGGCAGCGGCCCTCGAGGGCCACCCCAAG
TGACTTCCAAGGCCACTAACCCATTTGAGGATGACGAAGAAGAAGAACAGCTGTTCTGAGGTAGAGGA
AGAGAAGTGGACCTCTCCATGGAATGGATCCAGGAGTTACCTGAAGACCTGGATGTCTGCATTGCGCAG
AGAGACTTTGAAGGGGCGGTTGACCTGCTGGATAAATTGAACCATTACCTGGAAGATAAACCTAGCCAC
CTCCTGTAAAAGAACTAAGGGCCAAAGTGGAGGAGCGAGTTCGACAGCTCACTGAGGTGCTAGTTTTCGA
ACTCTCCCAGATCGTTCCCTGAGAGGTGGTCCGAAGGCTACTCGCAGAGCAGTTTCGAACTGATCCGG
CTGGGCCAGTGCACGAAGCCCTGTGAGCTATTTTTGAGAAGCAGGCGAGCCGCTGTTTCATCTGCAATTC
GTCAGTTCGCATCGAAGGTGCCACTTTACTCTATATTCAATAAGCTGTGCCATGTCTTCTTACCAGCCT
TCTCGAGACTGCAAGAGAATTTGAGATCGATTTTGCAGGCACTGCAGCGGCTGCTACTCTGCCTTTGTG
GTCTGGGCAAGATCAGCCATGGGCATGTTCTGGATGCTTTTAGCAAGCAGGTGTTTGATAGTAAGGAGA
GCCTCTCTACAGCAGCTGAGTGTGTAAGTGGCTAAGGAGCATTGCCAGCAACTGGGTGATATCGGACT
GGATCTCACCTTCATCATCCATGCCCTTCTGGTGAAGACATCCAAGGGCCCTTGACAGTTACAAAGAA
ATCATCATTGAAGCCACTAAACATCGCAACTCTGAAGAGATGTGGAGGAGGATGAACTTGATGACGCCAG
AAGCCCTGGTAAAGCTCAAAGAAGAGATGAAAAGTTGTGGGTAAGTAACCTTGGAGCAGTACACAGGGGA
TGACTGCTGGGTGAACCTAAGTTACACAGTGGTGTCTTTCACCAACAGACCATGGGCTTCTTGAAGAG
GCCTGAAGCTGTATTTCCAGAGCTGCACATGGTACTTTGGAGAGCCTGGTGGAAATCATTTTGGTTG
CTGTTCCAGCATGTGGATTATAGTCTTCGATGTGAGCAGGATCCAGAGAAGAAAGCTTTTATCAGACAGAA
TGCATCCTTTTTATGAAACAGTCTCCTCTGTGGTGGAGAAAAGGTTTGAAGAAGGTGTGGGAAAACCT
GCCAAGCAACTCCAAGATCTGAGGAATGCATCTAGACTTATTCGTGTGAATCCTGAAAGTACAACATCAG
TGGTCTAA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_175876 unedited

```

AATTTCGGCAGCAGGGACAGCCGCGCGGCTGCGGCGCCGATAGTGACAGTGAAGTGCCTGA
GACCCGGAGAGAAATGGCGATGGCGATGTCGGACAGTGGGGCAGCCGCTGCGTCGGCA
GCTGGAGTCAGGGGTTTTGAGGCGCGGCTGTACGTGAAGCAGCTCTCGCAGCAGTCGGA
TGGGGACCGGCTCTCCAGGAGCACCGGCAGCGCATCCAGGCGCTGGCGGAGGAGACGGC
GCAGAACCTGAAGCGCAACGTCTACCAGAACTACCGGCAGTTCATAGAGACGGCCCGCA
GATCTCCTACCTGGAGAGCGAGATGTACCAGCTCAGCCATTTGCTGACCGAGCAGAAAAG
CAGCCTGGAGAGCATCCCGCTTACGTTGCTGCCTGCCGCTGCTGCCGCGGAGCCGCCGC
CGCCTCTGGAGGGGAGGAGGGAGTCCGTTGGGGCGNGGGCCGAGACCACCTCCGAGGCCA
GGCCGGCTTTTTCTCACCCCGGNGGTGCCTCCCGCAGCGGCTCCGGTCCAGGCGAGGA
AGGANAGCAGCGCACTCTACCACCTGCTTGAGAAGGTGGAAGGCTGCAGGCATCTGCT
GGAGACGCCGGGACAGTACTTGGTGTACAATGGGGACCTAGTGAATACGATGCGGACCA
CATGGCCCACTGCAGCGGGTGCACGGCTTTCATGAACGATTGCTTGTGGTGGCTAC
CTGGCTGCCTCAGCGGCTGGGATGTAT
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_175876 unedited GGAATTCTAGGACCGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTAAAACAATTTTTAAGCTTTATTTTTATGAAACATTTTCAGATTCCTCATATCACAGCA CATCAATAAGCAGTATGTACATAGACTGACTTTTATAGTACGTGTCATGTCCCAAATTCC CAATCCTAGGTAAGATATCAAGTTACAAAATACAAGTGCCGATAATTAACATATAGGTAG TATATTAACAAAAATGAGTTTTTAGCAATTATGTGAAATAAGGCTTTAACCAAAGCAAG ACTTAATGCCACAAGGTGCTTTTTTCCCAAGAGTAATTAATCAATCAAGCCCATGAT TCCAAGCTCAAGTAACAAGTTTTATATTCTTGAAGCAAACAAGAAAAGGCAATCAATGCT TAAGTGGTATATTTTAGTATATATTACATTTCTGGACAATCTCTCATTGCATTCAATTTT TAGAACTGTCTTGGGTCTAATAAAACAAAAGAATTAGAGAAGAAAGCCCATGCCACTTT GAGGAATGTAACATAATTGTTTTGTCTGGGTACAAAGGTACGTTACAACACTGGGGGTCT TTAGTCAAGTTCCTACTAATTGACTCACCAAAGCATACTTCCCTCAGCTACAACGTGA ATTGGAACACACAGATTTTACCTGAAGAAAATCCTGTACTTCCAGTTTTAAAAAGCAGAC AATTCTATGAAGAAGCCACCATTTAAATATCTAACTATACACATTCAAGTTTTTACAAC TCCTGCCTTATGAGGAATTTGATTTTCAAGATATCATTACAGACTCAACATCATATAT TTATACATATTTCAAACAGTTTTAGTTTAAAGAACTGTAAGGGCCAGAAAAATCCTC
Restriction Sites:	NotI-NotI
ACCN:	NM_175876
Insert Size:	4700 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:	<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.
RefSeq:	<u>NM_175876.3, NP_787072.2</u>
RefSeq Size:	5099 bp
RefSeq ORF:	2178 bp
Locus ID:	149371
UniProt ID:	<u>Q8IYI6</u>
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]