

Product datasheet for **SC215234**

EXOC2 (NM_018303) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	EXOC2 (NM_018303) Human 3' UTR Clone
Symbol:	EXOC2
Synonyms:	NEDFACH; SEC5; SEC5L1; Sec5p
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018303
Insert Size:	1547 bp



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Insert Sequence: >SC215234 3'UTR clone of NM_018303
 The sequence shown below is from the reference sequence of NM_018303. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
GCAGCTTCTTCAACCATGATGAAAAACAATAATATCTGCCACATAAAAGAAGTCCAGGAAAAAATACACGT
AATAAGACTGTTCACTCTCTAAGTACCCTAAAGGTATTTGGTGTATTAACATTGGGTTTGCCATTTTT
CTCTTTTTTCTTCTCTGACTTCGAAAATTGTTGGTATACATTTCAACAAAATGACCTCATTTGAAAT
GCCCAGGAAGTATTTGTTTGCCATTCTTACTAGATCAGATCCTGTATGACTTTAAATACATTTTAAA
ATATATTTTGCATCTCAGCAGAAGGTTGAGTGCTGCAGGAAGAGCTGCTTCTGCAGGGAGTTTCTGGA
ATGGCGTGGCACATATTGAAGCATTTCTCAGTGTCCCGTTCACGGAAGCGCAGGCAGCTCCACGACAC
ACGGAGAGACTGACTGATACGAGATTTGAAAAGCTATGTAGACATCTTTGGAGCTCTTACTGTCCTAAA
CTGTACAGCTGTGCTTAAACCCTCATTTATATAAATGGCCTTAAGTTTCTAATTCAAGCGGGTTTT
TGGAAAAATTTATGGTCTCCATTAAATACATATTACAACCTGGGGTAGATTATTTGTGGTCCAGGTGTC
TGTGATTTAACTTTGCGTTTTGCTATCTGATTTTTATTTTTACAGGGCTAAGCATGAGCTTTCATTCT
CACTCACTCTTAATTTGTCGTGCGTCACTACACATGCACGTGTTGCAGTCCCTGAGGCCCTGTGTGTTA
TCTGTGATGGAGTGTGAATGTGAACGGGCACTGTGTTACACTCTGAGGTGTTGGCGGGCGGTGCGAG
ACTTCAGGGTCCCTAACGGAAGGCCAGGCTCCGCGTGGACGGCAACTCCCTGCCCGCTCCTTCAGC
AGGTGACTGTCTCTGCCACTTCTTACCTGCTGAAGGATCTTGCTCAGTAGCTGGAACAATGCTGTGTC
ACACAGTCTCTTCTGAACTTCAGGATGCTCCTTGGTCACCAAGCAATGGGAGCTGTAGACCAGCCG
CATGCACTTGCCCACTTCACTGCTGACTGGCTTCACTGGAATAGGTTCAAGTCAACGGGACTTCTCT
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GTAGTCGGCTTGTGAGGTTTTCAAGTTTTTCTATGGTTATTTTTAAATCTTTTTTAAATGCTAAA
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ATAAATAAATGTGTTGGTTCATTTGGTGTATGGGGGACATCATGGTAACTGGAATGAAAGTTAATC
TTTCACAAATGTGCTTGATAAAGCTGTTAAGAATTGCTTTCTAAGTATGTTAACTGTTGTATCTAAC
TCAACTGTGAGCTAAGTTTAAAACTGCAATCATGAATGTTTGTGATATTTAAATATCTACTACAGCA
CATTCAGCCAATAAAGAATCTGCCTTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_018303.6

Summary:

The protein encoded by this gene is a component of the exocyst complex, a multi-protein complex essential for the polarized targeting of exocytic vesicles to specific docking sites on the plasma membrane. Though best characterized in yeast, the component proteins and the functions of the exocyst complex have been demonstrated to be highly conserved in higher eukaryotes. At least eight components of the exocyst complex, including this protein, are found to interact with the actin cytoskeletal remodeling and vesicle transport machinery. This interaction has been shown to mediate filopodia formation in fibroblasts. This protein has been shown to interact with the Ral subfamily of GTPases and thereby mediate exocytosis by tethering vesicles to the plasma membrane. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Locus ID:

55770

MW:

57.7