

## Product datasheet for **MC220582**

### Exoc7 (NM\_016857) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc7 (NM_016857) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Exoc7
Synonyms:	Exo70; sec70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220582 representing NM\_016857  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATTCCCCCGCAGGAGGCTTCCGCCCGCGCGGGAGATCGAGGACAACTGAAGCAGGAGGAGAGA  
 CGCTGTCGTTTATCCGAGACAGCCTGGAGAAGAGCGACCAGCTCACTAGGAACATGGTGTCCATCCTGTC  
 GTCCTTTGAGAGCCGACTCATGAAGCTGGAGAACTCTATCATCCCTGTGACAAGCAGACAGAGAACCTA  
 CAGAGGCTGCAGGAGAAGCTGGAGAAGACGTTATCCTGCCTGGACCACGTTATCAGCTACTACCAGTAG  
 CCAGCGACACGGAGAAGATCATCCGAGAGGGCCCCACAGGTAGGCTGGAAGAGTACCTGGGAAGTATGGC  
 CAAAATCCAGAAGGCTGTGGAGTATTTTCAGGACAATAGCCAGACAGCCAGAACTCAACAAAGTGAAG  
 CTGCTGTTTGAGCGAGGGAAGGAGTCCCTGGAGTCCGAGTTCGCGAGTCTGATGACCCGGCAGCAAGG  
 TGGTCTCCCCCGTCTCCTCCTGGACCTCATCAGTCTGACGACGAGCTGGAGGTGCAGGAGGACGTGGT  
 CCTGGAGCACCTGCCGAGAGCGTCTCAGAGACGTGGTCCGCATCTCCCGCTGGCTGGTGAATATGGT  
 CGGAACCAAGACTTCATGAATGTCTACTACCAGATCCGCTCCAGCCAGCTGGACCGCTCCATCAAGGGTC  
 TGAAAGGAGCATTTTCGAAAAGCAGTTCCTCTTCTGGGGTTCCCTACTCCCCCGCATCCCCAATAAGAG  
 GAAAGACACGCCACCAAGAAGCCATCAAGCGGCCAGGGACGATCCGTAAGGCTCAGAACCTTCTGAAA  
 CAGTATTTCCAGCATGGTCTAGATGGGAAAAAGGGGGCTCTAACCTCATTCTCTGGAAGGGAGAGACG  
 ACATGTGGACGTGGAGACGGACGCCTACATTCAGTGCCTCAGTGCCTTCGTCAAGCTGGCGCAGAGTGA  
 ATACCGGCTGCTGATGGAGATCATCCCTGAGCATCACCAGAAGAAAACCTTTGACTCCTTGATACAGGAT  
 GCCCTGGACGGGCTGATGCTTGAAGGGGAGAACATCGTGTCTGCTGCCAGGAAAGCCATCATCCGCCATG  
 ACTTCTCCACAGTGTCCAGTCTTCCCATCCTGCGGCACCTCAAGCAGACCAAGCCCGAGTTTGACCA  
 AGTGCTCCAGGGCACAGCAGCCAGCACCAAGAACAAGTCCCGGCCCTCATCACCTCCATGGAGACCATT  
 GGGGCCAAAGCTCTAGAAGACTTTGCTGATAACATCAAGAATGATCCAGACAAGGAATACAACATGCCTA  
 AAGACGGCACTGTTTCATGAGCTCACAAGCAATGCCATCCTGTTCTACAGCAGCTTCTGGACTTCCAGGA  
 GACAGCAGGTGCCATGCTGGCCTCCCAAGTTCTTGGGGACACATAACAATATTCTTTAGACCCCCGAGAA  
 ACCAGCTCTTCCGCCACCAGCTACAGCTCCGAGTTCAGCAAGCGGCTGCTGAGCACCTACATCTGCAAAG  
 TCTTGGGTAACCTGCAGCTGAATTAAGCAAGTCCAAGGTGTACGAGGATCCAGCGCTGAGCGCCAT  
 CTTCTACACAACAATACTACAATTACATCCTCAAGTCCCTGGAGAAGTCTGAGCTGATCCAGCTGGTGGCT  
 GTAACCCAGAAGACTGCCGAGCGTCTACCGGGAGCACATCGAGCAGCAGATCCAGACCTACCAGCGCA  
 GCTGGCTAAAGGTGACTGACTACATCGCAGAGAAGAACCTACCTGTGTTCCAGCCTGGAGTCAAGTCCG  
 GGCAAAGAGCGGCAGATGATTAAGGAACGTTTCAAGGGTTCAATGATGGACTCGAAGAGCTGTGCAAG  
 ATTCAGAAGGTCTGGGCTATTCCAGACACAGAGCAGAGAGACAAGATTGACAGGCTCAGAAAGACATTG  
 TCAAGGAGACCTACGGGGCTTTCTGCACAGGTATGGCAGCGTCCCTTACCAAAAACCCGGAGAAATA  
 CATTAAGTACCGCGTGGAGCAGGTGGGAGACATGATCGATCGCCTTTTCGACACCTCTGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_016857
- Insert Size:** 2094 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:**

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\\_016857.2](#), [NP\\_058553.2](#)

**RefSeq Size:** 3344 bp

**RefSeq ORF:** 2094 bp

**Locus ID:** 53413

**UniProt ID:** [O35250](#)

**Cytogenetics:** 11 E2

**Gene Summary:** Component of the exocyst complex involved in the docking of exocytic vesicles with fusion sites on the plasma membrane. In adipocytes, plays a crucial role in targeting SLC2A4 vesicle to the plasma membrane in response to insulin, perhaps directing the vesicle to the precise site of fusion.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longest isoform (1).