

Product datasheet for **MC220087**

Exoc7 (NM_001162872) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc7 (NM_001162872) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Exoc7
Synonyms:	Exo70; sec70
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220087 representing NM_001162872
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTCCCCCGCAGGAGGCTTCCGCCCGCGGGGAGATCGAGGACAACTGAAGCAGGAGGAGAGA
 CGCTGTCGTTTATCCGAGACAGCCTGGAGAAGAGCGACCAGCTCACTAGGAACATGGTGTCCATCCTGTC
 GTCCTTTGAGAGCCGACTCATGAAGCTGGAGAACTCTATCATCCCTGTGACAAGCAGACAGAGAACCTA
 CAGAGGCTGCAGGAGAAGCTGGAGAAGACGTTATCCTGCCTGGACCACGTTATCAGCTACTACCAGTAG
 CCAGCGACACGGAGAAGATCATCCGAGAGGGCCCCACAGGTAGGCTGGAAGAGTACCTGGGAAGTATGGC
 CAAAATCCAGAAGGCTGTGGAGTATTTTCAGGACAATAGCCAGACAGCCAGAACTCAACAAAGTGAAG
 CTGCTGTTTGAGCGAGGGAAGGAGTCCCTGGAGTCCGAGTTCGCGAGTCTGATGACCCGGCAGCAAGG
 TGGTCTCCCCCGTCTCCTCCTGGACCTCATCAGTCTGACGACGAGCTGGAGGTGCAGGAGGACGTGGT
 CCTGGAGCACCTGCCCGAGAGCGTCTCAGAGACGTGGTCCGCATCTCCCGCTGGCTGGTGAATATGGT
 CGGAACCAAGACTTCATGAATGTCTACTACCAGATCCGCTCCAGCCAGCTGGACCGCTCCATCAAGGGTC
 TGAAGGAGCATTTTCGAAAAGCAGTTCCTCTTCTGGGGTTCCCTACTCCCCCGCATCCCCAATAAGAG
 GAAAGACACGCCACCAAGAAGCCATCAAGCGGCCAGGGAGAGACGACATGCTGGACGTGGAGACGGAC
 GCCTACATTCAGTGCCTCAGTGCCTTCGTAAGCTGGCGCAGAGTGAATACCGGCTGCTGATGGAGATCA
 TCCCTGAGCATCACCAGAAGAAAACCTTGGACTCCTTGATACAGGATGCCCTGGACGGGCTGATGCTTGA
 AGGGGAGAACATCGTGTCTGTGCCAGGAAAGCCATCATCCGCCATGACTTCTCCACAGTGTCCACGTC
 TTCCCCATCCTGCGGCACCTCAAGCAGACCAAGCCGAGTTTGACCAGGTGCTCCAGGGCACAGCAGCCA
 GCACCAAGAACAAGCTGCCCGCCCTCATCACCTCCATGGAGACCATTGGGGCCAAAGCTCTAGAAGACTT
 TGCTGATAACATCAAGAATGATCCAGACAAGGAATAACAACATGCCATAAGACGGCACTGTTTCATGAGCTC
 ACAAGCAATGCCATCCTGTTCTACAGCAGCTTCTGGACTTCCAGGAGACAGCAGGTGCCATGCTGGCCT
 CCCAAGAAACCAGCTCTTCGGCCACCAGCTACAGCTCCGAGTTCAGCAAGCGGCTGCTGAGCACCTACAT
 CTGCAAAGTCTTGGGTAACCTGCAGCTGAACTTACTAAGCAAGTCCAAGGTGTACGAGGATCCAGCGCTG
 AGCGCCATCTTCTACACAACAATACTACAATTACATCCTCAAGTCCCTGGAGAAGTCTGAGCTGATCCAGC
 TGGTGGCTGTAAACCAGAAGACTGCCGAGCGCTCCTACCGGGAGCACATCGAGCAGCAGATCCAGACCTA
 CCAGCGCAGCTGGCTAAAGGTGACTGACTACATCGCAGAGAAGAACCTACCTGTGTTCCAGCCTGGAGTC
 AAGCTCCGGGACAAAGAGCGGCAGATGATTAAGGAACGTTTCAAGGGTTCAATGATGGACTCGAAGAGC
 TGTGCAAGATTCAGAAGGTCTGGGCTATTCCAGACACAGAGCAGAGAGACAAGATTTCGACAGGCTCAGAA
 AGACATTGTCAAGGAGACCTACGGGGCCTTTCTGCACAGGTATGGCAGCGTGCCTTCCAAAAACCCG
 GAGAAATACATTAAGTACCGCGTGGAGCAGGTGGGAGACATGATCGATCGCCTTTTCGACACCTCTGCTT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001162872
- Insert Size:** 1962 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_001162872.1](#), [NP_001156344.1](#)

RefSeq Size: 3212 bp

RefSeq ORF: 1962 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 (2) lacks an in-frame exon in the coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.