

Product datasheet for **MR209780**

Exoc7 (BC028927) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc7 (BC028927) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Exoc7
Synonyms:	sec70, 70kDa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR209780 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTCCCCCGCAGGAGGCTTCCGCCCGCGGGGAGATCGAGGACAACTGAAGCAGGAGGAGAGA
 CACTGTCGTTTATTCGAGACAGCCTGGAGAAGAGCGACCAGCTCACTAGGAACATGGTGTCCATCCTGTC
 GTCCTTTGAGAGCCGACTCATGAAGCTGGAGAACTCTATCATCCCTGTGACAAGCAGACAGAGAACCTA
 CAGAGGCTGCAGGAGAAGCTGGAGAAGACGTTATCCTGCCTGGACCACGTTATCAGCTACTACCAGTAG
 CCAGCGACACGGAGAAGATCATCCGAGAGGGCCCCACAGGTAGGCTGGAAGAGTACCTGGGAAGTATGGC
 CAAAATCCAGAAGGCTGTGGAGTATTTTCAGGACAATAGCCCAGACAGCCAGAACTCAACAAAGTGAAG
 CTGCTGTTTGAGCGAGGGAAGGAGTCCCTGGAGTCCGAGTTCGCGAGTCTGATGACCCGGCAGCAAGG
 TGGTCTCCCCCGTCTCCTCTGGACCTCATCAGTCTGATGACGAGCTGGAGGTGCAGGAGGATGTGGT
 CCTGGAGCACCTGCCCGAGAGCGTCTCAGAGACGTGGTCCGCATCTCCCGCTGGCTGGTGAATATGGT
 CGGAACCAAGACTTCATGAATGTCTACTACCAGATCCGCTCCAGCCAGCTGGACCGCTCCATCAAGGGTC
 TGAAGGAGCATTTTCGAAAAGCAGTTCCTCTTCTGGGGTTCCCTACTCCCCCGCATCCCCAATAAGAG
 GAAAGACACGCCACCAAGAAGCCATCAAGCGGCCAGGGAGAGACGACATGCTGGACGTGGAGACGGAC
 GCCTACATTCAGTGCCTCAGCGCCTTCGTAAGCTGGCGCAGAGTGAATACCGGCTGCTGATGGAGATCA
 TCCCTGAGCATCACCAGAAGAAAACCTTTGACTCCTTGATACAGGATGCCTGGACGGGCTGATGCTTGA
 AGGGGAGAACATCGTGTCTGTGCCAGGAAAGCCATCATCCGCCATGACTTCTCCACAGTCTCACCGTC
 TTCCCCATCCTGCGGCACCTCAAGCAGACCAAGCCGAGTTTGACCAGGTGCTCCAGGGCACAGCAGCCA
 GCACCAAGAACAAGCTGCCCGCCCTCATCACCTCCATGGAGACCATTGGGGCCAAAGCTCTAGAAGACTT
 TGCTGATAACATCAAGAATGATCCAGACAAGGAATAACAATGCCTAAAGACGGCACTGTTTCATGAGCTC
 ACAAGCAATGCCATCCTGTTCTACAGCAGCTTCTGGACTTCCAGGAGACAGCAGGTGCCATGCTGGCCT
 CCCAAGAAACCAGTTCTTCGGCCACCAGCTACAGTCCGAGTTCAGCAAGCGGCTGCTGAGCACCTACAT
 CTGCAAAGTCTTGGTAACCTGCAGCTGAACCTACTAAGCAAGTCCAAGGTGTACGAGGATCCAGCGCTG
 AGCGCCATCTTCCTACACAACAATAAATTACATCCTCAAGTCCCTGGAGAAGTCTGAGCTGATCCAGC
 TGGTGGCTGTAACCCAGAAGACTGCCGAGCGCTCCTACCGGGAGCACATCGAGCAGCAGATCCAGACCTA
 CCAGCGCAGCTGGCTAAAGGTGACTGACTACATCGCAGAGAAGAACCTACCTGTGTTCCAGCCTGGAGTC
 AAGCTCCGGGACAAAGAGCGGCAGATGATTAAGGAACGTTTCAAGGGATTCAATGATGGACTCGAAGAGC
 TGTGCAAGATTCAGAAGGTCTGGGCTATTCCAGACACAGAGCAGAGAGACAAGATTTCGACAGGCTCAGAA
 AGACATTGTCAAGGAGACCTACGGGGCCTTTCTGCACAGGTATGGCAGCGTGCCTTTCACAAAAACCCG
 GAGAAATACATCAAGTACCGCGTGGAGCAGGTGGGAGACATGATCGATCGCCTTTTCGACACCTCTGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209780 protein sequence
Red=Cloning site Green=Tags(s)

MIPPQEASARRREIEDKLKQEEETLSFIRDSLEKSDQLTRNMVSI LSSFESRLMKLENSIIPVHKQTENL
 QRLQENVEKTL SCLDHVISYYHVASDTEKIIREGPTGRLEEYLGSMAIQKAVEYFQDNPSPELNKVK
 LLFERGKESLESEFRSLMTRHSKVVSPVLLDLISADDELEVQEDVLEHLPESVLRDVRISRWLVEYG
 RNQDFMNVVYQIRSSQLDRSIKGLKEHFRKSSSSSGVPYSPAIPNKRKDTPTKKPIKRPGRDDMLDVETD
 AYIHCVSFAFVKLAQSEYRLLMEI IPEHHQKKTFDLSLIQDALDGLMEGENIVSAARKAIIRHDFSTVLT
 YFPILRHLKQTKPEFDQVLQGTAASTKNKLPGLITSMETIGAKALEDFADNIKNDPKEYNMPKDGTVHEL
 TSNAILFLQQLLDFQETAGAMLASQETSSSATSYSSEFSKRL LSTYICKVLGNLQNLNLLSKSKVYEDPAL
 SAIFLHNNYNYILKSLEKSELIQLVAVTQKTAERSYREHIEQQIQTYQRSWLKVTDYIAEKNLPVFPQGV
 KLRDKERQMIKERFKGFNDGLEELCKIQKVAIPDTEQRDKIRQAQKDIVKETYGAFLHRYGSPVFTKPN
 EKYIKYRVEQVGMIDRLFD TSA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC028927

ORF Size: 1959 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

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: [BC028927](#), [AAH28927](#)

RefSeq Size: 2102 bp

RefSeq ORF: 1961 bp

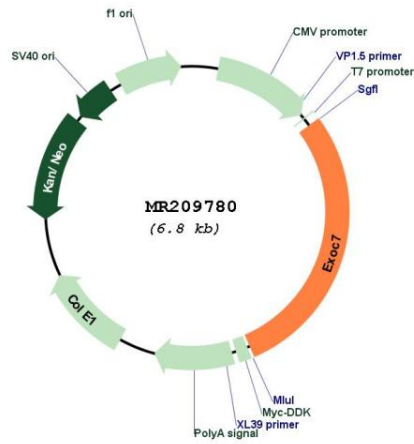
Locus ID: 53413

Cytogenetics: 11 E2

MW: 75.2 kDa

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]

Product images:



Circular map for MR209780