

## Product datasheet for **MR216531**

### Slc39a7 (NM\_001077709) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a7 (NM_001077709) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc39a7
Synonyms:	AA408174; AI117660; AL024048; H-2Ke4; H2-Ke4; Ke-4; Ke4; Ring5; Zip7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR216531 representing NM\_001077709  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCATGGGCCTGCGGGCCCCCACTGGGTGGCTGTGGGACTGCTGACCTGGGCGGCTTTGGGGCTGC  
 TGGTGGCCGACACGAGGGTCATGGTGACTGCACAAAGATGTGGAAGAGGACTTCCATGGCCACAGTCA  
 CGGGCACTCACATGAAGATTTCCACCATGGCCACAGCCACGGGCACTCGCATGAAGATTTCCACCATGGC  
 CACGGCCACACTCATGAAAGCATCTGGCATGGGCATGCCACAGCCACGACCATGGACACTCACGTGAGG  
 AATTACACCATGGCCATAGCCATGGCCACTCCCACGATAGCCTCCACCACGGAGGACATGGACATGCCCA  
 TCGTGAACATAGCCATGGGACTTCTAGGGAGGCTGGGGCTCCAGGCATCAAACACCACCTGGACACTGTC  
 ACCCTCTGGGCTACGACTGGGGGCCACAGTGTGATCTCCGCAGCTCCGTTCTTCGTGCTGTTCTCTCA  
 TCCAGTAGAATCTAACTCTCCAGGCACCGCTCTCTGCTCCAGATCCTGCTCAGTTTTGCTTCCGGGGG  
 GCTCCTGGGTGATGCGTTCCTCCACCTCATCCCGCATGCCTTGGAACTCATTCTCACCAGCTCCAGAG  
 CAGCCTGGACATGGACACTCCCACAGTGGCCAGGGCCCCATTCTCTGTGGGGCTGTGGGTTCTCAGTG  
 GGATTGTCGCCTTCTCGTGGTGGAGAAATTTGTGAGACAGTGAAGGAGGACATGGACACAGTACCGG  
 ACACGGAGACAGGCATGCGCATGGAGACAGTACACCCATGGAGATAGACATGAGTGTCTTCAAAGGAA  
 AAGCCCAGCACAGAGGAAGAGAAGGAAGTGGGCGGGTTGCGGAAAAGGAGAGGAGAAACTGGGCCCA  
 GAGATGGCCCGGTGAACTCAGAGCCCTGAAGAAGAAAAGCAGGCTCAGACCTGCGTGTGTCTGGGTA  
 CCTGAATCTGGCTGCTGACTTGGCACACAATTCACAGACGGTCTGGCCATTGGTGTCTCTTTCGTGGG  
 GGCCGAGGGCTAGGGATCCTGACCACAATGACAGTCTGCTGCACGAAGTGCCTCATGAGTTGGGGATT  
 TTGCCATCCTGGTCCAGTCTGGCTGCAGCAAGAAGCAGGCGATGCGTCTGCAACTCGTACTGCAATTGG  
 AGCATTGGCAGGCACTGCCTGTGCCCTTCTCACCGAGGGAGGGGAGTGGACAGTGCAGTGGCAGGTGGT  
 GCAGGTCCTGGCTGGTCTGCCATTCACTGCAGGCGGATTTATCTACGTAGCAACAGTGTCTGTGCTGC  
 CTGAGCTATTGAGAGAGGCATCTCCACTGCAGTCACTGTTGGAGGTGCTGGGGCTGCTGGGGGTGTTGC  
 CATGATGGTACTGATTGCCCATCTTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216531 representing NM\_001077709  
 Red=Cloning site Green=Tags(s)

MTMGLRAPHWVAVGLL TWAALGLLVAGHEGHGDLHKDVEEDFHGSHGHSHEDFHHGSHGHSHEDFHHG  
 HGHTHESIWHGHAHSHDHGHSREELHHGSHGHS HDLHHGGHGHAREHSHGTSREAGAPGIKHHLDTV  
 TLWAYALGATVLI SAAPFFVLFIPVESNSPRHRSLQLILL SFASGGLLGDAFLHLIPHALEPHSHHAPE  
 QPGHGHSHSGQPILSVGLWVLSGIVAFVVEKFRVHVKGHGHSHGHGDRHAHGDSHTHGRHECSSKE  
 KPSTEEEEKVGGLRKRRGNTGPRDGPVKPQSPEEEKAGSDLRVSGYLNLAADLAHNFTDGLAIGASFRG  
 GRGLGILTTMTVLLHEVPHEVGFADLILVQSGSKKQAMRLQLVTAIGALAGTACALLTEGGAVDSVAVGG  
 AGPGWVLPFTAGGFIYVATVSVLPELLREASPLQSLLEVLGLLGGVAMMVLIAHLE

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

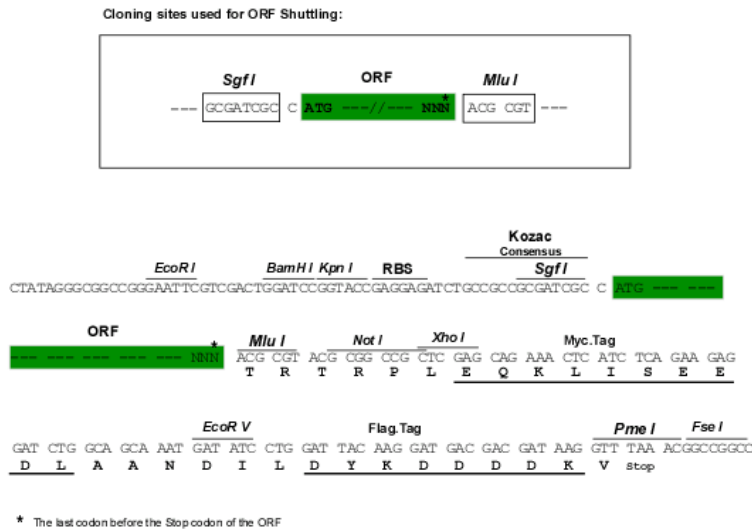
**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1686\\_e06.zip](https://cdn.origene.com/chromatograms/ja1686_e06.zip)

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001077709

ORF Size: 1428 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](mailto: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](#)

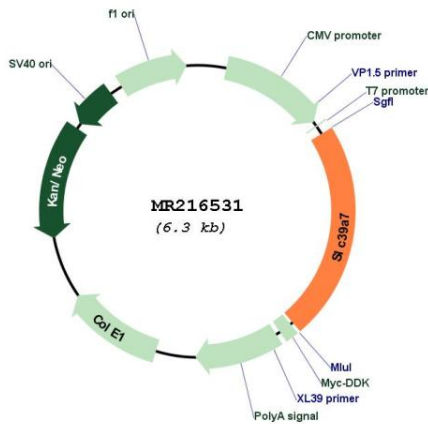
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:** [NM\\_001077709.1](#), [NP\\_001071177.1](#)  
**RefSeq Size:** 2113 bp  
**RefSeq ORF:** 1431 bp  
**Locus ID:** 14977  
**UniProt ID:** [Q31125](#)  
**Cytogenetics:** 17 17.98 cM  
**MW:** 51.1 kDa  
**Gene Summary:** Zinc transporter, that transports Zn(2+) from the endoplasmic reticulum/Golgi apparatus to the cytosol.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR216531