

Product datasheet for **MG216531**

Slc39a7 (NM_001077709) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a7 (NM_001077709) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc39a7
Synonyms:	AA408174; AI117660; AL024048; H-2Ke4; H2-Ke4; Ke-4; Ke4; Ring5; Zip7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216531 representing NM_001077709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCATGGGCCTGCGGGCCCCACTGGGTGGCTGTGGGACTGCTGACCTGGGCGGCTTTGGGGCTGC
 TGGTGGCCGACACGAGGGTCATGGTGACTGCACAAAGATGTGGAAGAGGACTTCCATGGCCACAGTCA
 CGGGCACTCACATGAAGATTTCCACCATGGCCACAGCCACGGGCACTCGCATGAAGATTTCCACCATGGC
 CACGGCCACACTCATGAAAGCATCTGGCATGGGCATGCCACAGCCACGACCATGGACACTCACGTGAGG
 AATTACACCATGGCCATAGCCATGGCCACTCCCACGATAGCCTCCACCACGGAGGACATGGACATGCCCA
 TCGTGAACATAGCCATGGGACTTCTAGGGAGGCTGGGGCTCCAGGCATCAAACACCACCTGGACACTGTC
 ACCCTCTGGGCTACGACTGGGGGCCACAGTGTGATCTCCGCAGCTCCGTTCTTCGTGCTGTTCTCTCA
 TCCAGTAGAATCTAACTCTCCAGGCACCGCTCTCTGCTCCAGATCCTGCTCAGTTTTGCTCCGGGGG
 GCTCCTGGGTGATGCGTTCCTCCACCTCATCCCGCATGCCTTGGAACTCATTCTCACCAGCTCCAGAG
 CAGCCTGGACATGGACACTCCCACAGTGGCCAGGCCCCATTCTCTGTGGGGCTGTGGGTTCTCAGTG
 GGATTGTCGCCTTCTCTGTTGGTGGAGAAATTTGTGAGACAGTGAAGGAGGACATGGACACAGTACCGG
 ACACGGAGACAGGCATGCGCATGGAGACAGTACACCCATGGAGATAGACATGAGTGTCTTCAAAGGAA
 AAGCCCAGCACAGAGGAAGAGAAGGAAGTGGGCGGGTTGCGGAAAAGGAGAGGAGAAACTGGGCCCA
 GAGATGGCCCGGTGAAACCTCAGAGCCCTGAAGAAGAAAAGCAGGCTCAGACCTGCGTGTGTCTGGGTA
 CCTGAATCTGGTGTGACTTGGCACACAATTCACAGACGGTCTGGCCATTGGTGTCTCTTTGCTGGG
 GGCCGAGGGCTAGGGATCCTGACCACAATGACAGTCTGCTGCACGAAGTGCCTCATGAGTTGGGGATT
 TTGCCATCCTGGTCCAGTCTGGCTGCAGCAAGAAGCAGGCGATGCGTCTGCAACTCGTGACTGCAATTGG
 AGCATTGGCAGGCACTGCCTGTGCCCTTCTCACCGAGGGAGGGGCACTGGACAGTACGTTGGCAGGTGGT
 GCAGGTCCTGGTGGTCTGCCATTCACTGCAGGCGGATTTATCTACGTAGCAACAGTGTCTGTGCTGC
 CTGAGCTATTGAGAGAGGCATCTCCACTGCAGTCACTGTTGGAGGTGCTGGGGCTGCTGGGGGTGTTGC
 CATGATGGTACTGATTGCCCATCTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216531 representing NM_001077709
 Red=Cloning site Green=Tags(s)

MTMGLRAPHWVAVGLL TWAALGLLVAGHEGHGDLHKDVEEDFHGSHGHSHEDFHHGHSHGHSHEDFHHG
 HGHTHESIWHGHAHSHDHGHSREELHHGHSHGHSHDSLHHGGHGHAREHSHGTSREAGAPGIKHLDTV
 TLWAYALGATVLSAAPPFFVLFIPVESNSPRHRSLLQILLSFASGGLLDGAFHLHIPHALEPHSHHAPE
 QPGHGHSHSGQPILSVGLWVLSGIVAFVLVVEKFRVHVKGHGHSHGHGDRHAHGDHSHTHGRHECSSKE
 KPSTEEKEVGGLRKRRGNTGPRDGPVKPQSPEEEKAGSDLRVSGYLNLAADLAHNFTDGLAIGASFRG
 GRGLGILTTMTVLLHEVPHEVGDFAILVQSGCSKKQAMRLQLVTAIGALAGTACALLTEGGAVDSVAVAG
 AGPGWVLPFTAGGFIVVATVSVLPELLREASPLQSLLEVLGLLGGVAMMVLIAHLE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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:	<u>NM_001077709.1</u> , <u>NP_001071177.1</u>
RefSeq Size:	2113 bp
RefSeq ORF:	1431 bp
Locus ID:	14977
UniProt ID:	<u>Q31125</u>
Cytogenetics:	17 17.98 cM
Gene Summary:	Zinc transporter, that transports Zn(2+) from the endoplasmic reticulum/Golgi apparatus to the cytosol.[UniProtKB/Swiss-Prot Function]