

## Product datasheet for **MC227888**

### Slc39a7 (NM\_008202) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a7 (NM_008202) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc39a7
Synonyms:	AA408174; AI117660; AL024048; H-2Ke4; H2-Ke4; Ke-4; Ke4; Ring5; Zip7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC227888 representing NM\_008202  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCATGGCCTCGGGCCCCCACTGGGTGGCTGTGGGACTGCTGACCTGGGCGGCTTTGGGGCTGC  
 TGGTGGCCGGACACGAGGGTCATGGTGACTGCACAAAGATGTGGAAGAGGACTTCCATGGCCACAGTCA  
 CGGGCACTCACATGAAGATTTCCACCATGGCCACAGCCACGGGCACTCGCATGAAGATTTCCACCATGGC  
 CACGGCCACACTCATGAAAGCATCTGGCATGGGCATGCCACAGCCACGACCATGGACACTCACGTGAGG  
 AATTACACCATGGCCATAGCCATGGCCACTCCCACGATAGCCTCCACCACGGAGGACATGGACATGCCCA  
 TCGTGAACATAGCCATGGGACTTCTAGGGAGGCTGGGGCTCCAGGCATCAAACACCACCTGGACACTGTC  
 ACCCTCTGGGCTACGACTGGGGCCACAGTGTGATCTCCGCAGTCCGTTCTTCGTGCTGTTCTCTCA  
 TCCAGTAGAATCTAACTCTCCAGGCACCGCTCTCTGCTCCAGATCCTGCTCAGTTTTGCTTCCGGGGG  
 GCTCCTGGGTGATGCGTTCCTCCACCTCATCCCGCATGCCTTGGAACTCATTCTCACCAGCTCCAGAG  
 CAGCCTGGACATGGACACTCCCACAGTGGCCAGGGCCCCATTCTCTGTGGGGCTGTGGTTCTCAGTG  
 GGATTGTCGCCTTCTCTGTTGGGAAATTTGTGAGACAGTGAAGGAGGACATGGACACAGTACCGG  
 ACACGGAGACAGGCATGCGCATGGAGACAGTACACCCATGGAGATAGACATGAGTGTCTTCAAAGGAA  
 AAGCCCAGCACAGAGGAAGAAAGGAAGTGGGCGGTTGCGGAAAAGGAGAGGAGAAACTGGGCCCA  
 GAGATGGCCCGTGAACCTCAGAGCCCTGAAGAAGAAAAGCAGGCTCAGACCTGCGTGTGTCTGGGTA  
 CCTGAATCTGGCTGCTGACTTGGCACACAATTCACAGACGGTCTGGCCATTGGTGTCTCTTTCGTGGG  
 GGCCGAGGGCTAGGGATCCTGACCACAATGACAGTCTGCTGCACGAAGTGCCTCATGAGTTGGGGATT  
 TTGCCATCCTGGTCCAGTCTGGCTGCAGCAAGAAGCAGGCGATGCGTCTGCAACTCGTGACTGCAATTGG  
 AGCATTGGCAGGCACTGCCTGTGCCCTTCTCACCGAGGGAGGGGAGTGGACAGTACGTGGCAGGTGGT  
 GCAGGTCCTGGTGGTCTGCCATTCACTGCAGGCGGATTTATCTACGTAGCAACAGTGTCTGTGCTGC  
 CTGAGCTATTGAGAGAGGCATCTCCACTGCAGTCACTGTTGGAGGTGCTGGGGCTGCTGGGGGTGTTGC  
 CATGATGGTACTGATTGCCCATCTTGA**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_008202
- Insert Size:** 1431 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_008202.2](#), [NP\\_032228.2](#)

**RefSeq Size:** 2398 bp

**RefSeq ORF:** 1431 bp

**Locus ID:** 14977

**UniProt ID:** [Q31125](#)

**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]  
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.