

## Product datasheet for MC225871

### Slc31a2 (NM\_001290518) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc31a2 (NM_001290518) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc31a2
Synonyms:	AI604396; CTR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225871 representing NM_001290518 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGCATTTTCATCTTCTCAGATGAGGCCGTGCTTCTCTTTGATTTCTGGAGGGTCCACAGCCCTACAGGCA  
 TGGCTCTCTCAGTGCTGGTAGTCTTGCTCCTGGCAGTACTGTATGAGGGCATCAAGGTTGGCAAAGCCAA  
 ATTGCTCCACAAGACTCTGGAGAGCCTGCCTGCCACCAACAGCCAGCAGTTCATCTTGGGACCAGACCAG  
 GATTCTACAGGCTCCAGATCAACTTCAGACAATAGGACCCGCCTCAGGTGGTTTTTGTGTTACTTTGGCC  
 AGTCCCTAGTCCATGTCATTTCAGGTGGTAATTGGCTACTTTGTGATGCTGGCTGTCATGTCCTACAACAC  
 CTGGATTTTCCTCGGTGTGGTCCTGGGCTCGGCTGTGGGCTACTACCTAGCCTACCCACTTCTCAACATG  
 ACT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001290518
Insert Size:	426 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).


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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001290518.1</u> , <u>NP_001277447.1</u>
<b>RefSeq Size:</b>	1803 bp
<b>RefSeq ORF:</b>	426 bp
<b>Locus ID:</b>	20530
<b>UniProt ID:</b>	<u>Q9CPU9</u>
<b>Cytogenetics:</b>	4 B3
<b>Gene Summary:</b>	<p>Involved in low-affinity copper uptake.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which has a shorter N-terminus compared to isoform 1.</p>