

## Product datasheet for **MC216661**

### Slc46a2 (NM\_021053) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc46a2 (NM_021053) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc46a2
Synonyms:	5430429N04Rik; Ly110; Tscot; TSO-1C12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216661 representing NM\_021053  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTCCAGGGGCACCTGTCCGTGGAGCAGCCGGCTCTCTGGCTTCCGGGTGAGGACTTGGATTGAGC  
 CTGTGGTGGCCTCAACCCAGGTGGCCGGCTCCCTCTACGACGCAGGACTACTCCTGGTAGTGAAGGAGTC  
 CTTCAAGTCTGAGGCTGGAGGCTCCTCTAATTACAGTGCCAACCCAGTCGCTGGTGGAGTATCAGGAAGAC  
 CAACAGCAGAAGGCTATCTCCAATTTCAACATCATTTACAACCTCGTGTGGCCTGACGCCTCTGCTGT  
 CCGCCTATGGACTGGGCTGGCTCAGTGACCCTACCACCCTAAGATCTCTATCTGCACAGCGATGCTGGG  
 CTTCTGCTGTCCCGCATCGGACTCTTACTCAAAGTGATGCTGGACTGGCCAGTGGAGGTGATGTACGGA  
 GCAGCAGCGCTCAATGGGCTATGCGGGAGCTTCTCCGCTATTGGTCCGGGGTATGGCGCTGGGATCCC  
 TGGGCTGTCCGAAGGCCCGCTCCGTGCGCCTCATCCTCATCGATTTAGTCTGGGCTTGGCTGGGTT  
 CTCTGGGAGCATGGCTTCGGGGCATCTTCAAGCAAATCGTTGGCACTCTGCGCAAGGCCTCCTGTTA  
 ACTGCCTGCAGCGTTGGCTGTGCGGCGTTTGCCTTTTCTACAGCCTCTTGTGCTGAAGGTCCTGAGT  
 CCAAGCCCAACAAGGTGCACCCCACTGTAGATACTGTGTCTGGCATGATGGGCACCTATCGAACCCCTGGA  
 TCCAGATCAACAAGACAAACAGAATGTACCAAGGAACCCCTCGGACTCCTGGGAAAGGGAAGTCTTCCCAA  
 AGGGAAGTTGTTGCTCTGCTGTTTGTGGGTGCCATCATCTATGACCTGGCTGCTGTGGGCACAGTAGACG  
 TCATGGCCCTTTTGTGCTTAAGGAGCCTCTCCATTGGAACCAAGTGCAGCTGGGCTATGGGATGGCTTC  
 TGGGTACATAATCTTATAACCAGCTTCTGGGTGCTTGGTTTTCTCCCGCTGCTTCCGGGACACCACG  
 ATGATCATAATCGGGATGCTTTCCTTTGGTCCGGAGCCCTTCTTTGGCCTTTGTGAAGGAGACATACA  
 TGTTCTACATTGCCCGAGCCATCATGCTTGGGCTTATCCGATCACAACCATCAGTCCAGCCATGTC  
 CAAACTATAAAGGACTTTCCTATGGAAGATTTTCGTCACTACAGCTGTGCCTAACTCTGACTGGG  
 GTGGTGACATCCACCATATAACAAGATCTATCAGTTACGCTGGACAAGTTCATTGGCACCTGCTTTG  
 TTCTATCATCTTTCTCTCCTTCTGGCCATTGCCAATTGGTGTGTGGCCTACAAACAAGTCCCGAG  
 GTCACAACAAGGAGAGTGTGCAGAGAAACAGAGGAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_021053
- Insert Size:** 1440 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).
- 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\\_021053.4](#), [NP\\_066395.3](#)  
RefSeq Size: 2060 bp  
RefSeq ORF: 1440 bp  
Locus ID: 30936  
UniProt ID: [Q8CA03](#)  
Cytogenetics: 4 32.81 cM  
Gene Summary: May act as a transporter.[UniProtKB/Swiss-Prot Function]