

## Product datasheet for **MC221533**

### Slc7a14 (NM\_172861) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a14 (NM_172861) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a14
Synonyms:	A930013N06; BC061928
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221533 representing NM\_172861  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTGGCTTTCTGGCCTCACTGGACCCGAGGCGGGTACAGTGGGGAGCCGCCTGGTATGCAATGCACT  
 CTCGGATCCTGCGCACCAAAACCAGTGGAGTCCATGCTGGAGGAACTGGGACCACCTCGGCGCATGGTAC  
 CAAGCTAGCCCAGGTTCTCACTACTGTAGACCTCATCTCTTGGAGTCCGCAGCTGTGTGGCACTGGC  
 ATGTATGTGGTGTCTGGCCTGGTGGCAAGGAGATGGCAGGCGCTGGGGTTCATCGTGTCTTCATCATTG  
 CTGCTGTTGCATCTATATTATCAGGTGTGTGCTATGCAGAGTTTGGAGTCCGAGTCCCAAGACCACAGG  
 ATCTGCCTACACCTACAGCTATGTCACCGTTGGGGAGTTCGTGGCATTTCATCGGCTGGAACTTGATT  
 CTGGAGTACCTGATTGGCAGGCGAGCTGGTGCCAGTCTGAGCAGTATGTTTGACTCCCTGGCAAACC  
 ACAGCATCAGCCGCTGGATGGTGGACACCGTGGGAACCCTCAACGGCCTGGGAAAGGGGAAGAGTCGA  
 CCCAGACCTTCTGGCTCTGGTATTGCCGTTCATCGTGACCATCATTGTGGCTCTGGGAGTAAAACTCT  
 GTGGGCTTCAACAACGTCTCAATGTGCTGAACCTGGCAGTGTGGGTGTTTCATCATGATCGCAGGCCTCT  
 TCTTCATCAATGGCAAATACTGGGCTGAAGGCCAGTTCCTGCCCCACGGATGGTCAGGGGTGCTGCAAGG  
 AGCAGCCACGTGCTTCTATGCTTTCATTGGCTTTGACATCATTGCCACCACGGGTGAGGAAGCCAAGAAC  
 CCCAACACATCCATCCCTTACGCCATCACGGCATCCCTGGTCACTGCTGACAGCGTATGTGTCTGTGA  
 GCATGATCTTAACCCTGATGGTACCATATTACGCCATTGACACAGAGTCCCCGCTCATGGAGATGTTTGT  
 GGCCATGGCTTCTATGCTGCGAAGTTTGTAGTGGCCATTGGCTCGGTGGCAGGACTGACCGTCAGTTG  
 CTGGGCTCCCTGTTCCCATGCCAGGGTCATTTACGCCATGGCTGGCGATGGGCTGCTTTTCAGGTTCC  
 TGGCTCACGTGAGCTCTACACAGAGACACCAGTGGTAGCTTGCATAGTGTGAGGCTTCCCTGGCTGCTCT  
 CCTCTCTGCTGGTGGCTGAGCCTGAGGGACCTCATAGAGATGATGCCATCGGCACGCTCCTCGCCTACACC  
 CTGGTCTCTGTCTGTGTCTTCTCGGTATCAACCTGAGAGCGACATCGATGGTTTTGTCAAGTTCC  
 TGTCTGAGGAGCACCAAGAAGAAGGAAGGCATCCTGGCTGACTGTGAGAAGGAAAACCTGTTCTCCTGT  
 GAGTGAAGGGGAGGAATTTCCAGCCCAGCCACCAACACCTGTGGGGCCAAAAACCTGCCGCTCCTGGGA  
 GACAATGAGATGCTCATAGGAAATCAGATAAGTCCGCCTACAACGTCAACCACCCCACTACGGCACTG  
 TGGATATGACCACGGGCATAGAAGCCGATGAATCAGAAAAATCTATCTCATCAAGTTGAAGAAGCTGAT  
 CGGACCCCGTTACTACACCATGAGAATCCGGCTGGGCTTCCAGGCAAAATGGACCGGCCACGGCGGGC  
 ACCGGGCACACGGTGACCATCTGCGTGTCTCTGCTGTTTCATCCTCATGTTTCATCTTCTGCTCCTTCA  
 TCTTTGGCTCTGAGTACATCTCAGGCCAGAGCTGGTGGGCCATCCTTCTGGTCTGATGATGCTGCT  
 GATCAGTGTGCTGGTGTGTAATCCTGCAGCAGCCAGAGAACCCTCAAGAAGCTGCCGTACATGGCCCC  
 TGCCCTCCCTTTGTACCTGCCTTTGCCATGTTGGTGAATATCTATCTCATGCTAAAGCTCTCCACCATCA  
 CATGGATCCGTTTGGGCTGCTGGTCTTTGTGGGTATGCTCATTATTTTGGGTATGGCATCTGGAACAG  
 CACCTTGGAAATCAGCGCCCGAGAGCAAGCCCTGCATCAGAGCACGTACCAGCGCTACGATGTGGATGAT  
 CCCTTTTCTGTGGAGGAGGGTTCTCTACGCCACCGAGGGCGAGAGCCAGGAGGACTGGGGTGGGCCC  
 CCGAGGACAAAAGGCTTCTATTACCAACAGATGTCAGATGCGAAGGCAAAACAGCCGGACGAGTAGCAAAG  
 GAAAAGCAAAAGCAAAACAAAACAGAAGTCCGAGGCCCTGATTGCAAATGACGAGTTAGATTGCTCTCCG  
 GAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_172861  
**Insert Size:** 2316 bp

<b>OTI Disclaimer:</b>	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).
<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>RefSeq:</b>	<a href="#">NM_172861.3</a> , <a href="#">NP_766449.1</a>
<b>RefSeq Size:</b>	8869 bp
<b>RefSeq ORF:</b>	2316 bp
<b>Locus ID:</b>	241919
<b>UniProt ID:</b>	<a href="#">Q8BXR1</a>
<b>Cytogenetics:</b>	3 A3
<b>Gene Summary:</b>	May be involved in arginine transport.[UniProtKB/Swiss-Prot Function]