

## Product datasheet for **RN209899**

### Slc30a4 (NM\_172066) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc30a4 (NM\_172066) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slc30a4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN209899 representing NM\_172066  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGGCCCCGGCGCGTGAAGCGCCTCAAATCCCTGCTGAGGAAAGACGACGCNCCGCTGTTCTTAA  
 ATGACACCAGCGCCTTCGACTTCTTGGACGAGGTGAGCGACGAGGGGCTTTCGCGCTTAAATAAACTTCG  
 AGTCGTGGTGGCCGACGATGACTCGGAAGCCCCGAAAGGCCTGTGAACGGGGCGCACCCGGCCCTCCAG  
 GCCGACGATGACTCCTTATTGGACCAGGAATTACCTTTGACCAACAGTCAGTTGAGTTTGAAGATGGACC  
 CCTGTGACAACACTGCAGCAAACGGCGCGAGTTGCTGAAGCAGAGGAAGGTGAAGACCAGGCTGACCATCGC  
 TGCCGCTCTACTTGCTTTTCATGATCGGAGAGCTTGTAGGTGGATACATGGCAAATAGCTTAGCAATA  
 ATGACAGATGCACTTCATATGCTAACTGACCTTAGTGCCATCATACTCACTCTTCTTGCTTTGTGGCTGT  
 CTTCAAAGTACCAACCAGAAGATTCACCTTTGGATTTTCATCGCCTAGAGGTTCTGTGGCCATGATCAG  
 TGTCATGCTGGTGTATGACTTATGGGATTCCTTTACGAGGCTATGCAGAGAACCATCCATATGAAC  
 TATGAAATCAATGGCGATGTCATGCTCATCACTGCAGCTGTTGGAGTTCAGTTAATGTGATAATGGGT  
 TTCTATTGAACCAGTCCGGTACCACCATCTCACGCTCATTCCCACTCCCTACCTCAAATTCTCCGAG  
 CATGGTATCTAGTGGACACAGCCATGGGACGAGACAGCTTGGCCGTGAGAGCTGCATTTGTACACGCCCTG  
 GGGGATTTGGTACAAAGTGTGGTGTGCTTATAGCTGCATACATACGATTCAAGCCAGAATACAAGA  
 TTGCTGACCCCATCTGTACGTATATATTTTCATTACTTGTGGCATTACACAACGCTCCGCATTATATGGGA  
 CACAGTAGTGATAACTGGAAGGTGTACCGAGCCATTTGAATGTAGACTATATCAAAGAGTCGTTGATG  
 AAGATAGAAGATGATATTTCTGTGGAAGATTTGAATATCTGGTCTCTCACTTCTGGAAAAGCCACTGCCA  
 TAGTGACATGCAGCTAATCCCGGAAGTTCATCAAAATGGGAGGAAGTGCAGTCGAAAGCTAAGCACCT  
 CTTGCTGAACACATTCGGCATGTACAAGTGCAGCTGTTGAGCTCCAGAGCTACAGACAGGAAGCCACCAGA  
 ACTTGTGCAAATTGTCAAAGTTCAGTACCT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_172066   |
| <b>Insert Size:</b>           | 1293 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>                | <u><a href="#">NM_172066.1</a></u> , <u><a href="#">NP_742063.1</a></u>   |
| <b>RefSeq Size:</b>           | 5420 bp   |
| <b>RefSeq ORF:</b>            | 1293 bp   |
| <b>Locus ID:</b>              | 64469   |
| <b>UniProt ID:</b>            | <u><a href="#">O55174</a></u>   |
| <b>Cytogenetics:</b>          | 3q35  |
| <b>Gene Summary:</b>          | zinc transporter; involved in sequestration of zinc into endosomal/lysosomal compartments and synaptic vesicles [RGD, Feb 2006]   |