

## Product datasheet for **RN208522**

### **Slc16a6 (NM\_198760) Rat Untagged Clone**

#### **Product data:**

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Slc16a6 (NM_198760) Rat Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Slc16a6                                |
| Synonyms:                 | Mct7B                                  |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-Entry (PS100001)                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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**Fully Sequenced ORF:** >RN208522 representing NM\_198760  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGACCCAGAAGAACTCGAAGCTTTGTTCCAGGGCCAATGTGTATACCCAAGTGCCTGACGGAGGATGGG  
 GCTGGGTGGTAGCTGCTTCCTTTTTCTTCATTGAAGTCTTACCTATGGCGTCATTAAGTCGTTTGGTGT  
 CTTCTTCAATGACTTGATGGACAGTTTTGACGAATCTAACAGCAAGATCTCATGGATAATATCGATATGC  
 GTATTCATAATGACATTCACAGCTCCCCTCTCCACAATCCTGACCAACCGCTTCGGACATCGGCTGGTAG  
 TGATGGGAGGGGGCTCCTCATCAGCGTGGGAATGATTGCTGCCTCCTTCTCCAGAGGGTCTACCAGAT  
 GTACATCTCCATAGGGATCGTCTCTGGTTGGGTAAGTCTTCTCCCGACTGTGACCATCTCG  
 TCGCAGTACTTTGACAAAAGGCGTTCGATGGTCACTGCGGTTGCTTCTACGGGAGAGTGTCTTGCATGT  
 TTGCTTTTCGACCAAGCTATCACGGCCCTGAAGGAGCACATCGGCTGGAGATACAGCCTTCTCTTCGTGGG  
 CCTGCTGCAGCTGAATGTGATGCTGTGGCGCCTTGTAAGGCCGATTATCATCAAAGGCCAGGCTCA  
 CCGAAAGCGATCCCTCTGGAGCCCCGAGAGAAGTTCAGTACATGCTTGAAAACGAGAAAACACGGACCT  
 CAATCGACTCCATCGACTCAGGGGTCGAGCTGACTACCTACCCAAAAATGTGCCTAGTGAAGCTAAAAG  
 AGAGCAGGAAGTCAGGGTGAACAGCAGCAGACCTGGTGGTCGGCCCCAAGCACAGCCAGAAGAGAGCT  
 CCGTTGCTGGACTTCTCCATCTTGAAAGACAGAAGCTTCATCTGTTACACGCTGTTTCGGCCTCTTCGCCA  
 CCCTGGGCTTCTTCGCGCCTTCCTGTACATCATCCCTCTGGGTATCAGTCTAGGCATCCACCCTGACCG  
 CGCTGCATTCTTACTGTCCACGATGGCCATTGCGGAAGTTCGGGAGGATCGGGATGGGCTTGTCTC  
 AACAGAGAGCCCATTCGCAAGATCTACATCGAGCTCATATGCGTCATTTTACTGACGGTGTCTGTTCG  
 CCTTCACCTTTGCCACCGAGTTCTGGGGCTCATGCTGTGTAGTGTGTTCTTTGGCAGTATGGTTGGGAC  
 CATAGGAGGGACCCACATCCCCTTGTGGCTGAGGATGATGTCGTTGGGATCGAGAAGATGTCATCTGCC  
 GCAGGAGTCTATGTCTTCATTACAGACATTTAGGGCTTGCAGGACCGCCCTGGCAGGCCTGCTGGTTG  
 ACCAGAGCAAGATCTACAGCAGGGCCTTCTACTCTGTGCAGCCGGCATGGCACTGGCTGCGGTGTGCT  
 CGCCCTGGTAAGGCCCTGTAAAAAGGGCTGTGCCAGAATCCTCACTCAGGTGAAAACAGACAGACGGG  
 CATCGCGGAAGGCGTTACAGGACATACCGGAAGACTTCTGGAATGGATCTTGGGAAATGTGAGCCCA  
 GGGCTCATATGAAATGGATCCCGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_198760

**Insert Size:** 1569 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>NM_198760.1, NP_942055.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2034 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>            | 1569 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>              | 303772                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>          | 10q32.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Summary:</b>          | human homolog is a monocarboxylate transporter [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                                                                                                                    |