

## Product datasheet for **RN207606**

### **Slc16a2 (NM\_147216) Rat Untagged Clone**

#### **Product data:**

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Slc16a2 (NM_147216) Rat Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Slc16a2                                |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-Entry (PS100001)                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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## Fully Sequenced ORF:

>RN207606 representing NM\_147216

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGCGCTGCCAAGCCCGCGAGCGAGGAAGCTGAGGGCCCTGTGAGGAGGCAAACAGGAATATCAGG  
AGCCGGTGTGTAGTCCTGTGCCGAGCCGAGCCAGAGCCGAGCCGAACCGGAGCCTGAGCCAGAGCC  
GGTGCCAGTGCCCCACCCGAGCCTCAGCCTGAGCCGAGCCCAAGCCCTACCCGACCTGCACCCCTG  
CCGGTGTGGGCTTTGAGGCTGAGCCAGTGCAAGAACCCGAGCCACGCCACAGTGAGAGCCCGAGGCA  
CCGCGCGTGGCTTTGAGCCTCCGAAGGTGGCTTCGGCTGGATAGTGGTGTTCAGCCACCTGGTGCAA  
CGGSTCCATCTTCGGCATCCATAACTCTGTTGGTATCCTCTACTCCATGCTACTAGAGGAGGAAAAAGAG  
AAAAATCGCCAAGTGAGTTCGAAGCAGCCTGGGTCGGAGCCCTCGCCATGGGCATGATCTTCTTCTGTT  
CTCCATTGTGAGTATATTCAGTGACCGTTTGGGCTGCCGGATCACAGCCACCACCGGGCGGCCGTTGC  
TTTCATTGGCCTCCACACAGCTCCTTACCAGCCCCAAGCCTGCGCTACTTCACCTATGGGATTCTG  
TTTGGTTGTGGCTGCTCATTGCGCTTTCAACCATCACTCGTCATCCTGGACCACTACTTTCAACGTCGCC  
TGGGTCTGGCCAATGGTGTGGTGTCTGCTGGGAGTAGCATCTTCTCCATGTCTTTCCCTTCCTCATCAA  
AATGCTGGGAGACAGAATCAAGCTGGCCCAAACCTTCAGGTGCTGAGTACCTTCATGTTTGTCTTACG  
CTGCTCTCACTCACCTACCGGCCCTCTGCCAGCTCCAGGACACCCCAAGCAAGAGAGGCGCCACA  
CCCTGCGACAGCGCTTTCTGGTTCAGTTCAGAAAGTACTTCAACATGCGTGTATTTGCCAGCGCACCTA  
CCGTATCTGGGCTTTGGGATCGCTGCTGCTGCCCTTGGTACTTCGTCCTTACGTACACCTGATGAAA  
TATGTGGAAGATAAGTTCAAGGAGATCAAGGAAACCTGGGTGCTCTTGGTGTGTATTGGGCTACTTCAG  
GCCTTGGACGCTCGTCTCAGGCCACATCAGTGACTCCATCCCTGGACTTAAGAAGATATACTTGCAAGT  
CCTCTCATTCTGCTCCTGGGCTTGATGTCTATGATGATCCCCCTATGCCGGGACTTCGGGGGCCCTTATC  
GTTGTCTGCCTCTTCTGGGCTATGTGATGGCTTCTTCATCACCATCATGGCTCCCATTCGCTTTGAAC  
TGGTGGGACCATGCAGGCCTCACAGGCCATTGGCTACCTCCTAGGCATGATGGCCCTGCCAATGATTGC  
TGGGCCCCCATTCAGGCCTCTCCGAACTGCTTGGTAACTACCATGTGGCCTTCTACTTTGCGGGT  
GTCCCCCAATTATTGGGCTGTGATCCTTTCTTCGTCCTCTGATGCATCAAAGGATGTTAAGAAAG  
AGCAGAGAGAGTCCAGCAAGGATAAGATGCTGTCCACGATCCAGACCCCAACGGAGAAGTCTGCCAGG  
CTCCCCAACACCTGAAGAGCCATT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Restriction Sites:

SgfI-MluI

## ACCN:

NM\_147216

## Insert Size:

1638 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_147216.1, NP_671749.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 1638 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1638 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 259248                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q8K1P8</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | Xq22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | human homolog is a monocarboxylate transporter [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                                                                                                                          |