

## Product datasheet for **SC301515**

### SLC6A17 (NM\_001010898) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | SLC6A17 (NM_001010898) Human Untagged Clone |
| Tag:                      | Tag Free                                    |
| Symbol:                   | SLC6A17                                     |
| Synonyms:                 | MRT48; NTT4                                 |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-Entry (PS100001)                      |
| E. coli Selection:        | Kanamycin (25 ug/mL)                        |



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**Fully Sequenced ORF:** >SC301515 representing NM\_001010898.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCGAAGAACAGCAAAGTGACCCAGCGTGAGCACAGCAGTGAGCATGTCACTGAGTCCGTGGCCGAC
CTGCTGGCCCTCGAGGAGCCTGTGGACTATAAGCAGAGTGTACTGAATGTGGCTGGTGAGGCAGGCGGC
AAGCAGAAGGCGGTGGAGGAGGAGCTGGATGCAGAGGACCGGCCGCCTGGAACAGTAAGCTGCAGTAC
ATCCTGGCCAGATTGGCTTCTCTGTGGCCCTCGCAACATCTGGAGTTCCCTACCTGTGCCAGAAA
AATGGAGGAGGTGCTTACCTGGTGCCCTACCTGGTGTCTGATCATCATCGGGATCCCCCTCTTCTTC
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CTGGGGGGCATCGGCTTCTCCAGCTGCATAGTCTGTCTTTGTGGGGCTGATTATAATGTGATCATC
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AGGAATGGGAGCGTGGCAGTGGTGGAGGACAGTGTGAAAAGAGCTCAGCCACTACCTACTTCTGGTAC
CGAGAGGCCCTGGACATCTGACTCCATCTCGGAGAGTGGGGCCCTCAACTGGAAGATGACCCTGTGC
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TATTTAGCTCCCTCTCCCTACGTGGTGTGGCCTGCTTCTGGTCCGGGGGCTGTTGCTGCGAGGG
GCAGTTGATGGCATCCTACACATGTTCACTCCCAAGCTGGACAAGATGCTGGACCCCAAGGTGTGGCGG
GAGGCAGTACCCAGGTCTTCTTTGCCCTGGGCCTGGGCTTTGGTGGTGTATTGCCTTCTCCAGCTAC
AATAAGCAGGACAACAAGTCCACTTCGATGCCGCCCTGGTGTCTTCACTCAACTTCTTCCAGTCAAGT
TTGGCCACCCTCGTGGTGTGCTGTGGGCTTCAAGGCCAACATCATGAATGAGAAGTGTGTGGTC
GAGAATGCTGAGAAAATCCTAGGGTACCTAACACCAACGCTCTGAGCCGGGACCTATCCCACCCAC
GTCAACTTCTCCACCTGACCACAAAGGACTACATGGAGATGTACAATGCATCATGACCGTGAAGGAG
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ACAGGCCTGGCCTTATCGCCTTCACTGAGGCCATGACGCACTTCCCGCCTCCCGTCTGTTGCTCCGTC
ATGTTCTTCTGATGCTTATCAACCTGGGCCTGGGCAGCATGATCGGGACCATGGCAGGCATCACCACG
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CTGCCACTCACTCATCGTATCCTTGAACATCGCTGTGGCCTGGATTTATGGAACCAAGAAGTTC
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AGCGCCTGGATCAAGGAGGAGGCTGCCGAGCGCTACCTGTATTTCCCAACTGGGCCATGGCACTCCTG
ATCACCCTCATCGTCTGTCGACGCTGCCATCCCTGTGGTGTCTGCTCCTGCGGCACTTCCACCTGCTC
TCTGATGGCTCCAACACCTCTCCGTGTCTACAAGAAGGGCCGCATGATGAAGGACATCTCCAACCTG
GAGGAGAACGATGAGACCCGCTTATCCTCAGCAAGGTGCCAGTGAGGCACCTTCCCCATGCCACT
CACCGTTCCTATCTGGGGCCCGGCAGCAGCATACCCCTGGAGACCAGCGGTAACCCCAATGGACGCTAT
GGGAGCGGCTACCTGCTGGCCAGCACCCCTGAGTCGGAGCTTGA
ACGGTACGCGGCCGCTCGAGCAGAAACTATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001010898

**Insert Size:** 2184 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).

|                               |   |
|-------------------------------|---|
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.  |
| <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_001010898.2</a>  |
| <b>RefSeq Size:</b>           | 6422 bp   |
| <b>RefSeq ORF:</b>            | 2184 bp   |
| <b>Locus ID:</b>              | 388662  |
| <b>UniProt ID:</b>            | <a href="#">Q9H1V8</a>  |
| <b>Cytogenetics:</b>          | 1p13.3  |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane   |
| <b>MW:</b>                    | 81 kDa  |
| <b>Gene Summary:</b>          | The protein encoded by this gene is a member of the SLC6 family of transporters, which are responsible for the presynaptic uptake of most neurotransmitters. The encoded vesicular transporter is selective for proline, glycine, leucine and alanine. In mouse, the strongest expression of this gene was in cortical and hippocampal tissues where expression increased during embryonic brain development and peaked postnatally. Defects in this gene cause a form of autosomal recessive intellectual disability. [provided by RefSeq, Jul 2017] |