

Product datasheet for **SC304033**

SLC6A16 (NM_014037) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A16 (NM_014037) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A16
Synonyms:	NT5; NTT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304033 representing NM_014037.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAAGACAGAGGCCAGCCTTCGACATCCTTGCTGGCAAACACCTCATGGACTGGCACAGTGATTTCT
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TCAGAGGCCCAAGTTTCAGCAGCCCGGGTTCAGAGGCTCAGGCCAGGACCAAGTCAAGCAAGCAAAATT
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GCCATGGGGCTGAGCAGCGCAATAGGGATTATGCAGGGCATCATTACTCCACTCCAGGACACCTTCTCT
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ACGATCCTGTTGGGCCACCCATCTCTCCATCTTTGGTTGGCTGTGGCCCCATCTGTGTCCAGTTGTG
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TAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_014037
Insert Size: 2211 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).

OTI Annotation:	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.
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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_014037.2</u>
RefSeq Size:	2945 bp
RefSeq ORF:	2211 bp
Locus ID:	28968
UniProt ID:	<u>Q9GZN6</u>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Transmembrane
MW:	82.2 kDa
Gene Summary:	SLC6A16 shows structural characteristics of an Na(+)- and Cl(-)-dependent neurotransmitter transporter, including 12 transmembrane (TM) domains, intracellular N and C termini, and large extracellular loops containing multiple N-glycosylation sites.[supplied by OMIM, Mar 2008]