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Product datasheet for SC125699

SLC6A16 (BC034948) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A16 (BC034948) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A16
Synonyms:	NT5; NTT5
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for BC034948 edited
AGCGTGGTCGCCCAAACCGATCTGTCGACGCCTGAAGGGGCCTGAGGAGATTGCTAGGCT
TCTCAGCTGGGGCTTCTTCACCCTCATTTTTGTCCGACTGGCTGGACTGAAGAACCTGGC
AGAAGCCTTGGGGCTAGGGTCTCCTCAGGAAGATGAACCCTCCCTTGCAGAAGCGGGAGC
TGCCCCAGAGAGTCTGTGTGAGATGAAGACAGAGGCCCAGCCTTCGACATCCTTGCTGGC
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CCTGCTTTACAACCCAACCTCCATCTACAATGCCTGGCTCAGTGGCCTTCCCCAGCACAT
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CAAAAGCATGGTTCTCCGCGAGGTGACTGAGTGCAACATAGAGACTCAGTTTCTTAAGGC
TAGCGAGGGCCCAAAGTTTGCATTCCTGTCCTTTGTTGAAGCCATGTCCTTCCTTCCTCC
GTCTGTCTTCTGGTCTTTTATCTTCTTCCTGATGTTGCTGGCCATGGGGCTGAGCAGCGC
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TAGTGATGTCTACCAGTCCTGCTACTTCTGGGGTGCCTGTCTCCTGGAATGGAGCTGGAG
GAGCAATGCTGTTGGTGAATAAATCAGTCTACTGGAACTCCAAAAAAAAAAAAAAAAAGC
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC034948 unedited
NGGGTTTTGATTTTGTATACCATTATATAGGCGGCCGCATAACTTCGTATAGCATACATT
ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGTGGTCGC
CCAAACCGATCTGTCGACGCCTGAAGGGCCTGAGGAGATTGCTAGGCTTCTCAGCTGGGG
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GCTAGGGTCTCCTCAGGAAGATGAACCCTCCCTTGCAGAAGCGGGAGCTGCCCCAGAGAG
TCTGTGTGAGATGAAGACAGAGGCCCAGCCTTCGACATCCTTGCTGGCAAACACCTCATG
GACTGGCACAGTGATTTCTGACAGTGTCCCAGGAAGTCAAACGTGGGAAGACAAGGGTTC
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AGAGGCTCAGGCCAGGACCAGTCAGCCCAAGCAAATTTCTGTATTGGAGGCGTTAACTGC
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CTTCCTGGAGATGGCAGCTGGTCAGAGCATGCGTCAGGGTGGCATGGGTGTATGGAAGAT
CATTGCCCCCTGGATTGTGGTGTGGGGGTATCTAC

Restriction Sites: NotI-NotI

ACCN: BC034948

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).
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:	BC034948.1, AAH34948.1
RefSeq Size:	3015 bp
Locus ID:	28968
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Transmembrane
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]