

## Product datasheet for **SC329011**

### SLC44A4 (NM\_001178045) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A4 (NM_001178045) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC44A4
Synonyms:	C6orf29; CTL4; DFNA72; hTPPT1; NG22; TPPT
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001178045, the custom clone sequence may differ by one or more nucleotides

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ATGGGGGAGAACAAGATAAGCCGTATCTCCTGTAATTCAACATCTTCAGCTGCATCCTG
TCCAGCAACATCATCTCAGTTGCTGAGAACGGCCTACAGTGCCCCACACCCAGGTGTGT
GTGTCTCCTGCCCGGAGGACCCATGGACTGTGGGAAAAACGAGTTCTCACAGACTGTT
GGGGAAGTCTTCTATACAAAAACAGGAACCTTTGTCTGCCAGGGGTACCCTGGAATATG
ACGGTGATCACAAGCCTGCAACAGGAACCTGCCCCAGTTTCTCCTCCCCTCTGCTCCA
GCTCTGGGGCGCTGCTTCCATGGACCAACGTTACTCCACGGCGCTCCCAGGGATCACC
AATGACACCACCATACAGCAGGGGATCAGCGGTCTTATTGACAGCCTCAATGCCCGAGAC
ATCAGTGTAAAGATCTTTGAAGATTTTGCCAGTCTGGTATTGGATTCTTGTTGCCCTG
GGGGTGGCTCTGGTCTTGAGCCTACTGTTTATCTTGCTTCTGCGCCTGGTGGCTGGGCC
CTGGTGTGGTGTGATCCTGGGAGTGTGGGCGTGTGGCATAACGGCATCTACTACTGC
TGGGAGGAGTACCGAGTGTGCGGGACAAGGGCGCCTCCATCTCCAGCTGGGTTTACC
ACCAACCTCAGTGCCTACCAGAGCGTGCAGGAGACCTGGCTGGCCGCCCTGATCGTGTG
GCGGTGCTTGAAGCCATCCTGCTGCTGATGCTCATCTTCTGCGGCAGCGGATTCTGATT
GCCATCGCCCTCCTGAAGGAGGCCAGCAAGGCTGTGGGACAGATGATGTCTACCATGTTT
TACCCACTGGTACCTTTGCTCCTCCTCATCTGCATTGCCACTGGGCCATGACTGCT
CTGTACCTGGCTACATCGGGGCAACCCAGTATGTGCTCTGGGCATCCAACATCAGCTCC
CCCGGCTGTGAGAAAGTGCCAATAAATACATCATGCAACCCACGGCCACCTTGTGAAC
TCCTCGTGCCAGGGCTGATGTGCGTCTCCAGGGCTACTCATCAAAGGCCTAATCCAA
CGTTCTGTCTTCAATCTGCAATCTATGGGGTCTGGGGCTCTTCTGGACCCTTAACTGG
GTAAGTGGCCCTGGGCAATGCGTCTCGCTGGAGCCTTGCCTCCTTCTACTGGCCCTTC
CACAAAGCCAGGACATCCCTACCTTCCCCTTAACTCTGCTTCCATCCGCACACTCCGT
TACCACACTGGGTCATTGGCATTGGAGCCCTCATCCTGACCCTTGTGCAGATAGCCCGG
GTCATCTTGGAGTATATTGACCAAGCTCAGAGGAGTGAGAACCCTGTAGCCCGCTGC
ATCATGTGCTGTTTCAAGTGCTGCCTCTGGTGTCTGGAAAAATTTATCAAGTTTCTAAAC
CGCAATGCATACATCATGATCGCCATCTACGGGAAGAATTTCTGTGTCTCAGCAAAAAAT
GCGTTCATGCTACTCATGCGAAACATTGTCAGGGTGGTGTGCTGGACAAAGTACAGAC
CTGCTGCTGTTCTTTGGAAAGCTGCTGGTGGTGGAGGCGTGGGGTCTGTCCTTCTTT
TTTTTCTCCGGTGCATCCCGGGCTGGGTAAGACTTTAAGAGCCCCACCTCAACTAT
TACTGGCTGCCCATCATGACCTCCATCCTGGGGCCTATGTCATGCCAGCGGCTTCTTC
AGCGTTTTTCGGCATGTGTGTGGACACGCTTCTCCTCTGCTTCTGGAAGACCTGGAGCGG
AACAAACGGCTCCCTGGACCGGCCCTACTACATGTCCAAGAGCCTTCTAAAGATTCTGGGG
AAGAAGAACGAGGCGCCCCGGACAACAAGAAGAGGAAGAAGTGA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001178045

**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:** [NM\\_001178045.1](#), [NP\\_001171516.1](#)

**RefSeq Size:** 2646 bp

**RefSeq ORF:** 1905 bp

**Locus ID:** 80736

**UniProt ID:** [Q53GD3](#)

**Cytogenetics:** 6p21.33

**Protein Families:** Transmembrane

**Gene Summary:** The protein encoded by this gene may be a sodium-dependent transmembrane transport protein involved in the uptake of choline by cholinergic neurons. Defects in this gene can cause sialidosis, a lysosomal storage disease. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]  
Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (3) is shorter at the N-terminus compared to isoform 1.