

Product datasheet for **SC329050**

SLC44A4 (NM_001178044) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A4 (NM_001178044) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC44A4
Synonyms:	C6orf29; CTL4; DFNA72; hTPPT1; NG22; TPPT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



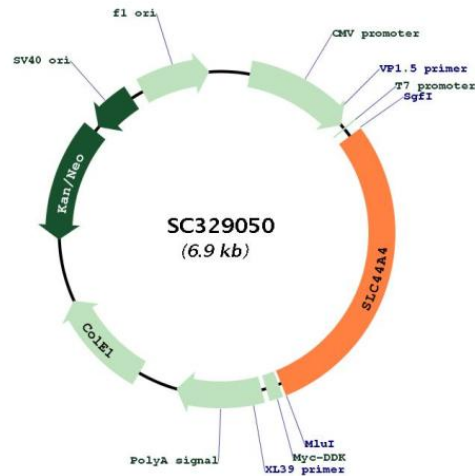
[View online »](#)

Fully Sequenced ORF: >SC329050 representing NM_001178044.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGGGAAAGCAGCGGGACGAGGATGACGAGGCCTACGGGAAGCCAGTCAAATACGACCCTCCTTT
CGAGGCCCATCAAGAACAAGCTGCACAGATGTCATCTGCTGGTCCCTCTTCCTGCTTTCATTCTA
GGTTACATCGTGGTGGGATTGTGGCCTGGTTGTATGGAGACCCCGCAAGTCCTACCCAGGAAC
TCTACTGGGCTACTGTGGCATGGGGAGAACAAGATAAGCCGTATCTCCTGTACTTCAACATCTTC
AGCTGCATCCTGTCCAGCAACATCATCTCAGTTGCTGAGAACGGCCTACAGTGCCCCACACCCAGACG
GTGATCACAAGCCTGCAACAGGAACTCTGCCAGTTTCTCCTCCCCTCTGCTCCAGCTCTGGGCGC
TGCTTTCCATGGACCAACGTTACTCCACCGCGCTCCAGGGATACCAATGACACCACCATACAGCAG
GGGATCAGCGTCTTATTGACAGCCTCAATGCCGAGACATCAGTGTAAAGATCTTGAAGATTTTGGC
CAGTCTGGTATTGGATTCTTGTGCCCTGGGGTGGCTCTGGTCTTGAGCCTACTGTTTATCTTGCTT
CTGCGCCTGGTGGCTGGGCCCTGGTGTGGTGTGATCTGGGAGTGTGGGCGTCTGGCATAACGGC
ATCTACTACTGTGGGAGGAGTACCGAGTGTGGGGACAAGGGCGCCTCCATCTCCAGCTGGGTTTC
ACCACCAACCTCAGTGCCTACCAGAGCGTGCAGGAGACCTGGCTGGCCGCCCTGATCGTGTGGCGGTG
CTTGAAGCCATCCTGCTGCTGATGCTCATCTTCTGCGGCAGCGGATTCTGATTGCCATCGCCCTCTG
AAGGAGGCCAGCAAGGCTGTGGGACAGATGATGTACCATGTTCTACCCACTGGTACCTTTGTCTC
CTCCTCATCTGCATTGCCTACTGGGCCATGACTGCTGTACCTGGTACATCGGGCAACCCAGTAT
GTGCTCTGGGCATCCAACATCAGCTCCCCGGCTGTGAGAAAGTGCCATAAATACATCATGCAACCC
ACGGCCACCTTGTGAATCCTCGTGCCAGGGCTGATGTGCGTCTTCCAGGGCTACTCATCCAAGGC
CTAATCCAACGTTCTGTCTTCAATCTGCAATCTATGGGTCTGGGGCTCTTCTGGACCCTTAACTGG
GTACTGGCCCTGGGCAATGCGTCTCGTGGAGCCTTTCCTCCTTCTACTGGGCTTCCACAAGCCC
CAGGACATCCCTACCTTCCCCTAATCTCTGCCTTATCCGCACACTCCGTTACCACACTGGGTCATTG
GCATTTGGAGCCCTCATCCTGACCCTTGTGCAGATAGCCCGGTCATCTTGGAGTATATTGACCACAAG
CTCAGAGGAGTGCAGAACCCTGTAGCCCGCTGCATCATGTGCTGTTTCAAGTGTGCCTCTGGTGTCTG
GAAAAATTTATCAAGTTCCTAAACCGCAATGCATACATCATGATCGCCATCTACGGGAAGAATTTCTGT
GTCTCAGCCAAAATGCGTTCATGCTACTCATGCGAAACATTGTCAGGGTGGTCTGCTGGACAAAGTC
ACAGACCTGCTGCTGTTCTTTGGGAAGCTGCTGGTGGTGGGAGCGTGGGGTCTGCTCTTTTTTTT
TTCTCCGGTGCATCCCGGGCTGGGTAAGACTTTAAGAGCCCCACCTCAACTATTACTGGCTGCCC
ATCATGACCTCCATCCTGGGGCTATGTCATCGCCAGCGGCTTCTTACGCGTTTTCGGCATGTGTGTG
GACACGCTCTTCTCTGCTTCTGGAAGACCTGGAGCGGAACAACGGCTCCCTGGACCGGCCACTAC
ATGTCCAAGAGCCTTCTAAAGATTCTGGGAAGAAGAAGAGGCGCCCCGGACAACAAGAAGAGGAAG
AAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001178044

Insert Size: 2007 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: [NM_001178044.1](#)

RefSeq Size: 2517 bp

RefSeq ORF: 2007 bp

Locus ID: 80736

UniProt ID: [Q53GD3](#)

Cytogenetics: 6p21.33

Protein Families: Transmembrane

MW: 74.5 kDa

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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.