

Product datasheet for **SC303577**

SLC17A1 (NM_005074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC17A1 (NM_005074) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC17A1
Synonyms:	NAPI-1; NPT-1; NPT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC303577 representing NM_005074.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAAATGGATAACCGTTGCCTCCAAAAAAGTTCCAGGTTTCTGTTCTTTTCGCTATGGATTGTCT
TTCCTTGTGCACGTGTGTAATGTTATAATAACAGCACAGCGTGCCTGCAACCTCACAATGGTAGTC
ATGGTGAATAGCACAGATCCACATGGTTTGCCCAACACCTCCACAAGAAGCTCCTGGATAATATAAAG
AACCTATGTATAATTGGAGCCAGATATCCAGGGAATCATCTTGAGTTCACCTCCTATGGTGTATC
ATCATCCAAGTTCCTGTTGGATACTTCTCTGGAATATATTCTACAAAGAAAATGATTGGCTTTGCATTA
TGCCTCAGCTCTGTGTTAAGCCTGCTCATCCACCAGCAGCTGGAATTGGAGTAGCTTGGGTGTTGTA
TGTGAGCAGTTCAGGGAGCAGCCAGGGGATAGTTGCAACAGCCAGTTTGAATATATGTCAAATGG
GCTCTCCCTGGAACGAGGCCGACTTACTTCTATGAGTACATCAGGTTTTTGTGGGACCCTTTATT
GTCCTACTGTGACTGGAGTTATCTGTGAATCTCTGGGCTGGCCATGGTCTTCTATATTTTTGGTGCT
TGTGGCTGTGCCGTATGTCTTCTGGTTCGTTCTGTTTTATGATGACCCAAAGACCACCCATGTATA
AGCATCAGTGAAGGAATACATCACATCTCCCTGGTCCAGCAGGTCAAGTAGACAATCTCTG
CCTATCAAGGCTATACTTAAGTCGTTCCAGTCTGGGCTATTTCCACTGGTAGTTTTACGTTTTTCTGG
TCACATAACATCATGACTATAACTCCAATGTTTATCAACTCCATGCTTCATGTTAATAAAAAGAG
AATGGGTTCTGTCTTCCCTTCCCTATTTGTTGCCTGGATCTGTGGTAACCTAGCAGGTCAAGTTTCA
GACTTCTTCTGACCAGGAATATCTCAGCGTAATTGTGTCCGAAACTCTTACAGCAGCAGGATTT
CTCCTTCTGCAATCTTTGGTGTCTGCCTGCCTTACCTGAGTTCACCTTCTACAGCATTGTCATTTTC
CTAATACTTGTGGTGAACAGGCAGCTTTTGTGGTGGAGTGTTTATAAATGGCTTGGATATTGCT
CCAGATATTTGGATTATTAAGCATGTTCAACTTTAACTGGAATGATAGGAGGACTAATTGCTTCC
ACTTTGACTGGATTGATCCTTAAGCAGGATCCGGAATCCGCTGGTTTAAACCTTCATCCTGATGGCA
GCCATTAATGTGACTGGCCTAATTTTCTACCTTATAGTTGCTACAGCAGAAATTCAGGACTGGGCTAAA
GAAAAACAACACACAGTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: Sgfl-MluI

ACCN: NM_005074

Insert Size: 1404 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005074.1.

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:	<ol style="list-style-type: none">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_005074.3
RefSeq Size:	1859 bp
RefSeq ORF:	1404 bp
Locus ID:	6568
UniProt ID:	Q14916
Cytogenetics:	6p22.2
Protein Families:	Transmembrane
MW:	51.1 kDa
Gene Summary:	Important for the resorption of phosphate by the kidney. May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane. Plays a role in urate transport in the kidney (PubMed:27906618).[UniProtKB/Swiss-Prot Function]