

Product datasheet for **SC317677**

SLC17A3 (NM_006632) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC17A3 (NM_006632) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC17A3
Synonyms:	GOUT4; NPT4; UAQTL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317677 representing NM_006632. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACCAAGACAGAGTTGAGTCCCACAGCAAGGGAGAGCAAGAACGCACAAGATATGCAAGTGGAT
GAGACTGATCCCAGGAAAGTCCAAGTTTATGTTCTGCTCGCTATGGAATAGCCCTCGTCTTACAT
TTCTGCAATTTCAACGATAGCACAAATGTCATCATGAACATCACCATGGTAGCCATGGTCAACAGC
ACAAGCCCTCAATCCCAGCTCAATGATTCTCTGAGGTGCTGCCTGTTGACTCATTGGTGGCCTAAGT
AAAGCCCCAAAGAGTCTCCTGCAAAGTCTCAATACTGGGGGTCAGTTTGCAATTTGGGAAAAGTGG
GGCCCTCCACAAGAACGAAGCAGACTCTGCAGCATTGCTTATCAGGAATGTTACTGGGATGCTTTACT
GCCATCCTCATAGGTGGCTTCATTAGTGAAACCCTTGGGTGGCCCTTTGTCTTCTATATCTTTGGAGGT
GTTGGCTGTGCTGCTGCCTTCTCTGGTTTGTGTGATTTATGATGACCCCGTTTCTATCCATGGATA
AGCACCTCAGAAAAAGAATACATCATATCCTCCTTGAACAACAGGTCCGGTCTTCTAAGCAGCCTCTT
CCCATCAAAGCTATGCTCAGATCTTACCATTGGTCCATATGTTTAGGCTGTTTCAGCCATCAATGG
TTAGTTAGCACAATGGTTGTATACATAACCACTTACATCAGCTCTGTGTACCATGTTAACATCAGAGAC
AATGGACTTCTATCTGCCCTTCTTTTATTGTTGCCTGGGTCATAGGCATGGTGGGAGGCTATCTGGCA
GATTTCTTCTAACCAAAAAGTTTAGACTCATCACTGTGAGGAAAATTGCCACAATTTAGGAAGTCTC
CCCTCTTCAGCACTATTGTGCTCTGCCTTACCTCAATCCGGCTATATCACAGCAACTGCCTTGCTG
ACGCTCTTTGCGGATTAAGCACATTGTGTCAGTCAGGATTTATCAATGTCTTAGATATTGCTCCA
AGGTATCCAGTTTTCTCATGGGAGCATCAAGAGGATTTTCGAGCATAGCACCTGTCATTGTACCCACT
GTCAGTGGATTTCTTCTAGTCAGGACCCTGAGTTGGGTGGAGGAATGCTTCTTCTGCTGTTTGCC
GTTAACCTGTTAGGACTACTCTTCTACCTCATATTTGGAGAAGCAGATGTCCAAGAATGGCTAAAGAG
AGAAAACCTCACTCGTTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_006632
Insert Size:	1263 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:	<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_006632.3
RefSeq Size:	1574 bp
RefSeq ORF:	1263 bp
Locus ID:	10786
UniProt ID:	O00476
Cytogenetics:	6p22.2
Protein Families:	Transmembrane
MW:	46.1 kDa
Gene Summary:	<p>The protein encoded by this gene is a voltage-driven transporter that excretes intracellular urate and organic anions from the blood into renal tubule cells. Two transcript variants encoding different isoforms have been found for this gene. The longer isoform is a plasma membrane protein with transporter activity while the shorter isoform localizes to the endoplasmic reticulum. [provided by RefSeq, Aug 2012]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform b), compared to isoform a.</p>