

Product datasheet for **SC122750**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006632 edited
 GGAAACGCTGGGTTCAACTTGAAGCCCTTCCACAGACATTAAGTCGGTGAAAACCATTC
 CTAGGAGAGGAGAAACACAATGGCCACCAAGACAGAGTTGAGTCCCACAGCAAGGGAGAG
 CAAGAACGCACAAGATATGCAAGTGGATGAGACACTGATCCCCAGGAAAGTTCCAAGTTT
 ATGTTCTGCTCGCTATGGAATAGCCCTCGTCTTACATTTCTGCAATTTACAACGATAGC
 ACAAAATGTCATCATGAACATCACCATGGTAGCCATGGTCAACAGCACAAGCCCTCAATC
 CCAGTCAATGATTCTCTGAGGTGCTGCCTGTTGACTCGTTTGGTGGCCTAAGTAAAGC
 CCCAAAGAGTCTTCTACAAAGTCTCAATACTTGGGGTTCAGTTTGCAATTTGGGAAA
 GTGGGGCCCTCCACAAGAACGAAGCAGACTCTGCAGCATTGCTTTATCAGGAATGTTACT
 GGGATGCTTTACTGCCATCCTCATAGGTGGCTTATTAGTGAAACCCCTTGGGTGGCCCTT
 TGTCTTCTATATCTTTGGAGGTGTTGGCTGTGTCTGCTGCCTTCTCTGGTTTGTGTGAT
 TTATGATGACCCCGTTTCTATCCATGGATAAGCACCTCAGAAAAAGAATACATCATATC
 CTCCTTGAACAACAGGTCGGGCTTCTAAGCAGCCTCTCCCATCAAAGCTATGCTCAG
 ATCTCTACCCATTTGGTCCATATGTTTAGGCTGTTTCAGCCATCAATGGTTAGTTAGCAC
 AATGGTTGTATACATAACCACTTACATCAGCTCTGTGTACCATGTTAACATCAGAGACAA
 TGGACTTCTATCTGCCCTTCTTTTATTGTTGCCTGGGTATAGGCATGGTGGGAGGCTA
 TCTGGCAGATTTCTTCTAACCAAAAAGTTTAGACTCATCACTGTGAGGAAAATTGCCAC
 AATTTTAGGAAGTCTCCCTCTTCCAGCACTCATTGTGTCTCTGCCTTACCTCAATTCGG
 CTATATCACAGCAACTGCCTTGCTGACGCTCTCTTGGCGGATTAAGCACATTGTGTGAGTC
 AGGGATTTATATCAATGTCTTAGATATTGCTCCAAGGTATTCCAGTTTCTCATGGGAGC
 ATCAAGAGGATTTTCGAGCATAGCACCTGTCATTGTACCCACTGTCAGCGGATTTCTTCT
 TAGTCAGGACCCTGAGTTTGGGTGGAGGAATGTCTTCTTCTGCTTTTCCGTTAACCT
 GTTAGGACTACTTCTACCTCATATTTGGAGAAGCAGATGTTCCAAAGAATGGGCTAAAGA
 GAGAAAACCTCACTCGTTTATGAAGTTATCCACCTTGGATGGAAAAGTCATTAGGCACCG
 TATTGCATAAAAATAGAAGGCTTCCGTGATGAAAATACCAAGTAAAAAGATTTTTTTTCT
 GTGGCTCTTTTCAATTATGAGATCAGTTCATTATTTTATTAGACTTTTTTTTGGAGAA
 ATGTAAGATGAATAAAAATCAAATAAAATGATAACTAATAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006632 unedited
 CGCGTTGGATTTGTATACGATCATATAGGCGGCCGCGGAATTCGCCATTACGGGCCGGGG
 GGGAAACGCTGGGTTCAACTTGAAGCCCTTCCACAGACATTAAGTCGGTGAAAACCATTC
 ACTAGGAGAGGAGAAACACAATGGCCACCAAGACAGAGTTGAGTCCCACAGCAAGGGAGA
 GCAAGAACGCACAAGATATGCAAGTGGATGAGACACTGATCCCCAGGAAAGTTCCAAGTT
 TATGTTCTGCTCGCTATGGAATAGCCCTCGTCTTACATTTCTGCAATTTACAACGATAG
 CAAAAATGTCATCATGAACATCACCATGGTAGCCATGGTCAACAGCACAAGCCCTCAAT
 CCAGTCAATGATTCTCTGAGGTGCTGCCTGTTGACTCGTTTGGTGGCCTAAGTAAAG
 CCCAAAGAGTCTTCTACAAAGTCTCAATACTTGGGGTTCAGTTTGCAATTTGGGAAA
 AGTGGGGCCCTCCACAAGAACGAAGCAGACTCTGCAGCATTGCTTTATCAGGAATGTTAC
 TGGGATGCTTTACTGCCATCCTCATAGGTGGCTTATTAGTGAAACCCCTTGGGTGGCCCT
 TTGTCTTCTATATCTTTGGAGGTGTTGGCTGTGTCTGCTGCCTTCTCTGGTTTGTGTGA
 TTTATGATGACCCCGTTTCTATCCATGGATAAGCACCTCAGAAAAAGATACATCATATC
 CTCCTTGAACAACAGGTCGGGCTTCTAAGCAGCCTCTCCCATCAAAGCTATGCTCAG
 ATCTCTACCCATTTGGTCCATATGTTTAGGCTGTTTCAGCCATCAATGGGTAGTTAGCAC
 NATGGTTGTATACATAACCACTTACATCAGCTCTGTGTACCATGGTAACATCAGAGACAA
 TGGACTTCTATCTGCC

Restriction Sites: Please inquire

ACCN: NM_006632

Insert Size: 1569 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).
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_006632.1 , NP_006623.1
RefSeq Size:	1795 bp
RefSeq ORF:	1206 bp
Locus ID:	10786
UniProt ID:	O00476
Cytogenetics:	6p22.2
Protein Families:	Transmembrane
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>