

Product datasheet for **SC125674**

SLC22A13 (BC035973) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A13 (BC035973) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A13
Synonyms:	OAT10; OCTL1; OCTL3; ORCTL-3; ORCTL3; organic-cation transporter like 3; organic cationic transporter-like 3; solute carrier family 22 (organic anion transporter), member 13; solute carrier family 22, member 13
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 BC035973 edited
ACAGAGCTACCCTAGTGTCCCAAGGCTGAGGAGGTAGTGAATGATGCTCAGTT
TGTCAGGTCTGGCTGAAATAGGTGACTTTGGTCGCTTCCAGATACAGCTATTGATCCT
GCTGTGTGTTCTCAACTTCTGTCTCCCTTCTACTTTTTTGGCCATGTCTTCATGATCCT
AGATGAGCCCCACCACTGTGCAGTGGCTTGGGTGAAGAACCACACTTTCAACCTGAGTGC
TGCTGAACAGCTGGTACTGAGCGTGCCCTGGACACTGCAGGTACCCAGAGCCCTGCCT
CATGTTCCGGCCACCCCGCCCAATGCCAGCCTGCAGGACATCCTCAGCCACCGTTCAA
TGAGACGCAGCCTTGTGATATGGGCTGGGAATATCCTGAGAACAGGCTCCCATCCCTGAA
GAATGAGTTCAACCTGGTTTGTGATCGGAAGCACCTGAAGGACACCACACAGTCAGTGTT
CATGGCTGGGCTCCTTGTGGCACCTCATGTTTGGGCCCTCTGCGACCGGATTGGCCG
CAAGGCCACAATCCTGGCGCAGCTGCTCCTTTACCCTCATCGCCTGGCCACAGCTTT
TGTGCCAGCTTTGAGCTCTACATGGCCCTGCGCTTTGCTGTGGTACTGCCGTCGCTGG
ACTTAGCTTCAGCAATGTCAACCTACTGACAGAATGGGTGGGGCCCTCATGGAGGACGCA
GGCCGTGGTCTGGCCAGTGAACCTTCTCCCTCGGGCAGATGGTGTTCGGGACTCGC
CTACGGTTTCCGCAACTGGAGGCTCCTTCAGATACCCGGCACTGCGCCTGGCTTACTGCT
CTTCTTCTACTTCTGGGCTCTGCCAGAATCTGCACGTTGGCTCCTGACCCGTGGGAGGAT
GGACGAGGCGATACAACCTGATCCAGAAGCGGCCCTCGGTCAATAGGCGGAACTCTCCCC
GGAGCTCATGAACCAGCTGGTCCAGAGAAGACAGGCCCTCAGGGAATGCCCTGGATCT
GTTTCAGACACCCCAAGCTCCGGAAGGTGACCTGATTATCTTCTGTGTCTGGTTTGTGGA
CAGTCTGGGGTACTACGGCTGAGCCTCCAAGTGGGGGACTTCGGCCTGGACGTCTATCT
GACGCAGCTCATCTTTGGAGCTGTTGAGGTGCCTGCCCGCTGTTCCAGCATCTTCATGAT
GCAGAGGTTTGGCCGAAGTGGAGCCAGTTGGGGACCTTGGTCTTGGGTGGCCTGATGTG
TATCATCATCATCTTCATCCAGCAGATCTGCCGTGGTGGTCACCATGCTGGCTGTGGT
GGGGAAGATGGCCACAGCTGCTGCCTTTACCATCTCCTATGTGTACTCTGCCGAGTTTTT
CCCCACCATCCTCCGACAGGCATGGGGCTGGTGGGCATCTTCTACGGATCGGGGCGATC
CTCACACCACTTGTGATCCTGCTGGGAGAGTACCACGCTGCCCTCCCCATGCTCATCGTG
GCCGGCTGCTGTGCACCCTGCTGCCAGAGACGCATGGCCAGGGCCTGAAAGACACCCCTC
CAGGACCTGGAGCTGGGGCTCACCCACGGTCCCCAAATCAGTGCCTCAGAGAAGGAA
ACAGAGGCCAAGGAAGAAGTTCAGCCCGGGAGTGGCCTTTGTGAGCAGCACATACTTC
TGATTGAGGTCTCTAAGAGCTGGACCATCAGCAGCAGGAGCTGCCTAAACACCTCCTTG
GATATGGCCAGGACCCACAGGGACAGGGCAAGACCAGCCTTGCTTATGGAGGCAGGAC
ACCACAATCTGGCCCATGGCTGTACCTCCTGCCGAGTCCAATCCAGACTGGGAACAC
CATCTGAGACAGGACCTCCCGGCCCTCCTTACCTTTCTCATCTCCAGAGCCCTGCCCCCA
ATACTCTGTCTGGGTTAGGATCTTGGGTATGTCTTGAATTAAGTGTCTCTAACAATC
TTCATGGGGTATGGCTCTCTTGATCTCCTCAATCTGGAGTCCCCTGCCCTCAAAACACAG
TGATGTTGAGAACAGAACACAAGGTAAGCCCTTCCAATTTGTGGGAACAGGAGGGGAGA
GGAAACAAATGTGAAGTTGTGGACTCTACCCAGGCAGGTGGATGAAAATGCTGTGGATAA
AAGGAAGGTTATGATTCTTCTAGCGGATGGACCAGATTCTCTGGCTAACGTATGGCCC
CATAGGTCACTGGGTCTACAGAGAGAAGATTGAGTTCAGCCTAAATCAAACTTCCACC
TTGTGTTCACTTCAAAGATGGCCCAACCCCGCCCTACACTCAGCTCATGCCTAACCTAT
GTGTGGCTCAGGGACAGCTTGGGAAGGAAAGGAGGTTTGTCTGCTCCCGCCTCACC
CCGCTCCTCTGCTCATGCTCAGCTGCTTCTGGACCTTCCAGGGCCCATGCAGGTGAG
GGAAAGGGTAGAGGTCTTTTACCGAGCTGCTGCTGGTTGCAGTTCTTTCTGGTGACAT
TGGCTAATGCCAGTTGGTGTGTTTTGTGAGGCTTCTGAAAGCTGCCTTTTCCACGGGCCA
TCTTCTTGGGCTTCTCAGAGATCTTCTCAGGCCTTGGTATTGTTCTTAGAATGAGCAAT
ATGCTCCCAATGCACTCCAGCTCCTCTTGGGACCTTCTCCAGCCCCACCCAGCATTGC
TCCTACAACCTGTCTACAGCTGGCAGCCCTGACCCAACCAAGATGGCCTTCTTGGCTG
GGCGTGGTGGTTATGCCTGTAATCCAGCACTTTGGGAGGCTGAGGCGGGCGGATTACC
TGAGGTGAGGAATTTGAGACCAGCTGGCTGGCATGGCAAAACCTGTCTCTACTAAAAA
TACAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC035973 unedited <pre> AGCCAGAATTGTATACCACTCACTATAGGCGGCCGCGTAATTCGCCATTACGGCCGGGAC AGAGCTACCCTAGTGTCCTCCAGGCTGAGGAGGTAGTGACTGGCATACATGGCTCAGTTTG TCCAGGTCTGGCTGAAATAGGTGACTTTGGTCGCTTCCAGATACAGCTATTGATCCTGC TGTGTGTTCTCACTTCTGTCTCCCTTCTACTTTTTGCCCATGTCTTCATGATCCTAG ATGAGCCCCACCACTGTGCAGTGGCTTGGGTGAAGAACCACACTTCAACCTGAGTGCTG CTGAACAGCTGGTACTGAGCGTGCCCTGGACACTGCAGGTCAACCAGAGCCCTGCCTCA TGTTCCGGCCACCCCGCCAATGCCAGCCTGCAGGACATCCTCAGCCACCGCTTCAATG AGAGCGAGCCTTGTGATATGGGCTGGGAATATCCTGAGAACAGGCTCCCATCCCTGAAGA ATGAGTTCAACCTGGTTTGTGATCGGAAGCACCTGAAGGACACCACAGTCAGTGTTCA TGGCTGGGCTCCTTGTGGCACCTCATGTTTGGGCCCTCTGCGACCGGATTGGCCGCA AGGCCACAATCCTGGCGAGCTGCTCCTTACCCTCATCGGCTGGCCACAGCTTTTG TGCCAGCTTTGAGCTCTACATGGCCCTGCGCTTGTGTGGCTACTGCCGTCGCTGGAC TTAGCTTCAGCAATGTCACCCTACTGACAGAATGGGTGGGGCCCTCATGGAGGACGCAGG CCGTGGTCTGGCCAGTGCAACTTCTCCCTCGGCAGATGGTGCTTGGGGACTCGCCTA CGGGTTCCGCAACTGGAGGCTCCTTCAGATCACCGGCACTGCGCCTGGCTACTGCTCTCC TCTACTCTGGGCTCTGCCAATCTGCACGTTGGCTCCGA </pre>
Restriction Sites:	NotI-NotI
ACCN:	BC035973
Insert Size:	2900 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:	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:	BC035973.1 , AAH35973.1
RefSeq Size:	2911 bp
RefSeq ORF:	1404 bp
Locus ID:	9390
Cytogenetics:	3p22.2
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a member of the organic-cation transporter family. It is located in a gene cluster with another member of the family, organic cation transporter like 4. The encoded protein is a transmembrane protein involved in the transport of small molecules. This protein can function to mediate urate uptake and is a high affinity nicotinate exchanger in the kidneys and the intestine. [provided by RefSeq, Sep 2008]