

Product datasheet for **SC100093**

SLC22A9 (NM_080866) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A9 (NM_080866) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A9
Synonyms:	HOAT4; OAT4; OAT7; ust3; UST3H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100093 sequence for NM_080866 edited (data generated by NextGen Sequencing)

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ATGGCCTTTCAGGACCTCCTGGGTACGCTGGTACCTGTGGAGATTCCAGATCCTTCAG
ACTGTTTTTCTCTCAATCTTTGCTGTTGCTACATACCTTCATTTTATGCTGGAGAATTC
ACTGCATTACACTGGCCATCGCTGCTGGTCCACATCCTGGACAATGACACTGTCTCT
GACAATGACACTGGGGCCCTCAGCCAAGATGCACTCTTGAGAATCTCCATCCCAGTGGAC
TCAAACATGAGGCCAGAGAAGTGTCTGCTTTGTTTCATCCTCAGTGGCAGCTCCTTCAC
CTGAATGGGACCTTCCCCAACACAAGTGACGCAGACATGGAGCCCTGTGTGGATGGCTGG
GTGTATGACAGAATCTCCTTCTCATCCACCATCGTACTGAGTGGGATCTGGTATGTGAC
TCTCAATCACTGACTTCAGTGGCTAAATTTGTATTATGCTGGAATGATGGTGGGAGGC
ATCCTAGGCGGTCAATTTATCAGACAGGTTTGGGAGAAGTTTCGTGCTCAGATGGTGTAC
CTCCAGGTTGCCATTGTTGGCACCTGTGCAGCCTTGGCTCCCACCTTCTCATTACTGC
TCACTACGCTTCTGTCTGGGATTGCTGCAATGAGCCTCATAACAATACTATTATGTTA
ATAGCCGAGTGGGCAACACAGATTCCAGGCCATGGGAATTACATTGGGAATGTGCCCT
TCTGGTATTGCATTTATGACCCTGGCAGGCTGGCTTTTCCATTTCGAGACTGGCATATC
CTCCAGCTGGTGGTGTCTGTACCATACTTTGTGATCTTTCTGACCTCAAGTTGGCTGCTA
GAGTCTGCTCGGTGGCTCATTATCAACAATAAACCAGAGGAAGGCTTAAAGGAACCTAGA
AAAGCTGCACACAGGAGTGAATGAAGAATGCCAGAGACACCCTAACCTGGAGATTTTG
AAATCCACCATGAAAAAGAAGTGGAGGACGACAAAAAACCCTTCTCTGTGTGAA
ATGCTCCACATGCTCAACATATGAAAAGGATCTCCCTCTGCTTTACGAGATTTGCA
AACTTTATGGCCTATTTTGGCCTTAATCTCCATGTCCAGCATCTGGGGAACAATGTTTT
CTGTTGCAGACTCTTTGGTGCAGTCACTCCTCCTGGCCAAGTGTGTTGCACCTGGGCA
CTGAAATACATGAACCGTCGAGCAAGCCAGATGCTTCTCATGTTCTACTGGCAATGCT
CTTCTGGCCATCATATTTGTGCCACAAGAAATGCAGACGCTGCGTGAGGTTTTGGCAACA
CTGGGCTTAGGAGCTGCTCTTGCCAATACCCTTGGTTTTGCCCATGGAATGAAGTA
ATTCCCACCATAATCAGGGCAAGAGCTATGGGGATCAATGCAACCTTTGTAATATAGCA
GGAGCCCTGGCTCCCCTCATGATGATCCTAAGTGTGATTCTCCACCCTGCCCTGGATC
ATCTATGGAGTCTTCCCCTTCTCTGGCTTTGCTTTCTCCTCCTTCTGAAACCAGG
AACAGCCTCTGTTTACACCATCCAGGATGAGAAAAATGAGAGAAAAGACCCAGAGAA
CCAAAGCAAGAGGATCCGAGAGTGAAGTGACGCAGTTTTAA
    
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Clone variation with respect to NM_080866.2
1034 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_080866 unedited

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TTCCCATTTGTATACGACTCATATAGGGCGGCCGGAATTCGACACAGCTGAGCAAATTA
TTTCTTACGTGACTTTAGAGAAAACGGCTACCTATCTGACCCAAAACGACTTGAGGAAA
CTGTTTCCACGGTCTGCTGCAGAGGGGAAGCACAGTCGTCGAAGAAGAGAGTGGGTCAG
GATCAAAAACACATTTAGTGTGACTTAGGGAAAAGAAAACATTTTCCCTCTTTGAACCTCTC
TGGATACAGTCATTTGCTCTACTTGAGGATCAACTGTTCAACCTCAATGGCCTTTCAG
GACCTCCTGGGTACGCTGGTACCTGTGGAGATTCCAGATCCTTCAGACTGTTTTTCTC
TCAATCTTTGCTGTTGCTACATACCTTCATTTTATGCTGGAGAATTCAGTGCATTCATA
CCTGGCCATCGTGTGGTCCACATCCTGGACAATGACACTGTCTGACAATGACACT
GGGGCCCTCAGCCAAGATGCACTCTTGAGAATCTCCATCCCAGTGGACTCAAACATGAGG
CCAGAGAAGTGTCTGCTTTGTTTCATCCTCAGTGGCAGCTCCTTCACCTGAATGGGACC
TCCCCAACACAAGTGACGCAGACATGGAGCCCTGTGTGGATGGCTGGGTGATGACAGA
ATCTCCTTCTCATCCACCATCGTACTGAGTGGGATCTGGTATGTGACTCTCAATCACTG
ACTTCAGTGGCTAAATTTGTATTATGCTGGAATGATGGTGGGAGGCATCCTNAGCGG
TCATTTATCAGACAGGTTTGGGAGAAAGTTTCGTGCTCAGATGGTGTACCTCCAGTTGCC
ATTGTTGGCACCTGTGCAGCCTTGGCTCCNACTNCTCATTACTGCTACTACGCTTCTGT
CTGGGATGCTGCATGAGCTCATAAAAACATATGTTATAGCCGATGGG
    
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Restriction Sites:	NotI-NotI
ACCN:	NM_080866
Insert Size:	2350 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_080866.2 , NP_543142.2
RefSeq Size:	2327 bp
RefSeq ORF:	1662 bp
Locus ID:	114571
UniProt ID:	Q8IVM8
Cytogenetics:	11q12.3
Domains:	sugar_tr
Protein Families:	Transmembrane
Gene Summary:	Sodium-independent organic anion transporter which exhibits high specificity for sulfated conjugates of xenobiotics and steroid hormones. It is also specifically activated by 3 to 5 carbons-containing short-chain fatty acids/SCFAs, including propionate, butyrate and valerate. May operate the exchange of sulfated organic components against short-chain fatty acids/SCFAs at the sinusoidal membrane of hepatocytes.[UniProtKB/Swiss-Prot Function]