

Product datasheet for **SC100623**

OSTA (SLC51A) (NM_152672) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | OSTA (SLC51A) (NM_152672) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | OSTA |
| Synonyms: | OSTA; OSTalpha |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC100623 sequence for NM_152672 edited (data generated by NextGen Sequencing) |

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ATGGAGCCGGCAGGACCCAGATAAAGCTTGACCCAGGTACACAGCAGATCTTCTGGAG
GTGCTGAAGACCAATTACGGCATCCCCTCCGCCTGCTTCTCTCAGCCTCCACAGCAGCC
CAACTCCTGAGAGCCCTGGGCCCTGTGGAAGTGCCTCACTAGCATCCTGACCTTGCTG
GCGCTGGGCTCCATTGCCATCTTCTGGAGGATGCCGTCTACCTGTACAAGAACCCTT
TGCCCCATCAAGAGGGGACTCTGCTCTGGAAGAGCTCGGCACCCACGGTGGTGTCTGTG
CTGTGCTGCTTTGGTCTCTGGATCCCTCGTTCCTGGTGTGGTGGAAATGACCATCACC
TCGTTTTATGCCGTGTGCTTTTACCTGCTGATGCTGGTCATGGTGGAAAGGCTTTGGGGG
AAGGAGGCAGTGCTGAGGACGCTGAGGGACACCCCGATGATGGTCCACACAGGCCCTGC
TGCTGCTGCTGCCCTGCTGTCCACGGCTGCTGCTCACCAGGAAGAAGCTTCAGCTGCTG
ATGTTGGGCCCTTCCAATACGCCTTCTTGAAGATAACGCTGACCCTGGTGGGCCTGTTT
CTCATCCCGACGGCATCTATGACCCAGCAGACATTTCTGAGGGGAGCACAGCTCTATGG
ATCAACACTTTTCTCGCGTGTCCACACTGCTGGCTCTCTGGACCCTGGGCATCATTTCC
CGTCAAGCCAGGCTACACCTGGGTGAGCAGAACATGGGAGCCAAATTTGCTCTGTTCCAG
GTTCTCCTCATCTGACTGCCCTACAGCCCTCCATCTTCTCAGTCTTGGCCAACGGTGGG
CAGATTGCTTGTTCGCCTCCCTATTCTCTAAAACCAGGTCTCAAGTGATGAATTGCCAC
CTCCTCATACTGGAGACTTTTCTAATGACTGTGCTGACACGAATGTAACCGAAGGAAA
GACCACAAGGTTGGGTATGAAACTTTCTTCTCCAGACCTGGACTTGAACCTCAAAGCC
TAA

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Clone variation with respect to NM_152672.5
604 g=>a;675 t=>c



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_152672 unedited GGTCCAGAATTTGNTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGAGAGGAT CAAATTCCTCCGGGTGAACTCTGANAAGAAGTTGGCCCGGAAGCTCAAGGAGGGAGAG CGGCAGAGGGGAAGACTCTGCAATTCGCTTGCCCCCTACCCCGGCCAGGCAAGCCACC CTGCCCCGGCCCCACCTGCCCGCCCCGCTGCCCTTCTCACCCCGGTGCCTGCGGGA TTGCTGGAGAGAACCGGCGGATGGAGCCGGCAGACCCAGATAAAGCTTGACCCAGGT ACACAGCAGATCTTCTGGAGGTGCTGAAGACCAATTACGGCATCCCCTCCGCTGCTTCT CTCAGCCTCCACAGCAGCCAACTCCTGAGAGCCCTGGGCCCTGTGAACTTGCCCTCA CTAGCATCTGACCTTGCTGGCGCTGGGCTCCATTGCCATCTTCTGGAGGATGCGCTCT ACCTGTACAAGAACCCTTTGCCCATCAAGAGGCGGACTCTGCTCTGGAAGAGCTCGG CACCCACGGTGGTGTCTGTGCTGTGCTTTGGTCTCTGGATCCCTCGTTCCCTGGTGC TGGTGGAAATGACCATCACCTCGTTTTATGCCGTGTGCTTTACCTGCTGATGCTGGTCA TGGTGGAGGGCTTTGGGGGGAAGGAGGCAGTCTGAGGACGCTGNAGGACACCCCGAT GATGGTCCACACAGGCCCTGCTGCTGCTGCCCTGCTGTCCACGGTGTGCTGCTCAC CAGGAAGAGCTTAGCTGTGATGTTGGGCCCTTNTCCATACGCCCTTTGAAGAAACGCTG ACCTGTGGGGCCCTGTTCTACCCCGACGCATCTATGACCANCAGACATTCTGAGGGAC ACAGTCTATGATCACACTTTCTCGCGTGTACCTGCTGGCTCTCTGACCTGGCTCATTTT CGCA</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_152672 unedited TCTAGTGTACTGGCCGAACCTCNAGATTCNATTTTTTTTTTTTTTTTTTTTCAATTTTCAT ACATCATCTTGTATTACAAAACCTTAAACACCTTCCAGGCAAGATCCAAAGCAATTTT ATCCTAACATTGTTACCTTCATCTGTAGAGTCAAATGTATCTGCCAGCTTGTTGACA AGGGGGAATGCTCCCATTTGGTCAAGGTTGATGGACAGTAAAGGAATCTGTATTCTAA TGAGTACAGCATCTTTCATTGTCCAAGCCATCCACCTTAGGCTTTGAGGTTCAAGTCCA GGTCTGGAGAAGAGAAAGTTTCATACCCAACCTTGTGGTCTTTCCTTCGGTAGTACATTC GTGTCAGCACAGTCATTAGAAAAGTCTCCAGTATGAGGAGGTGGCAATTCATCACTTGAG ACCTGGTTTTAGAGGAATAGGGAGGCGAACAAGCAATCTGCCACCGTTGGCCAAGACTG AGAAGATGGAGGGCTGTAGGGCAGTCAGGATGAGGAGAACCTGGAACAGAGCAAATTTGG CTCCCATGTTCTGCTCACCCAGGTGTAGCCTGGCTTGACGGGAAATGATGCCAGGGTCC AGAGAGCCAGCAGTGTGGACACGCCGAGGAAAGTGTGATCCATAGAGCTGTGCTCCCCT CAGAAATGTCTGCTGGGTATAGATGCCGTGCGGGATGAGAAACAGGCCACCAGGGTCA GCGTTATCTTCAAGAGCGTATTGGAAAGGGCCCAACATCAGCAGCTGAAGCTTCTTCT GGNTGAGCAGCACCGTGGACAGCAGGGGCAGCAGCAGCAGCAGGGGCCTGTGNGACCAT CATCGGGGTGCCCTCAGCGTCTCAGCATGGCTCCTTTCCCCAAACCTTCCCATGAC CAGCTTAGCAGTAAAAGCCACGCATATAACGAGG</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_152672 |
| Insert Size: | 1023 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: [NM_152672.3](#), [NP_689885.3](#)

RefSeq Size: 1476 bp

RefSeq ORF: 1023 bp

Locus ID: 200931

UniProt ID: [Q86UW1](#)

Cytogenetics: 3q29

Protein Families: Transmembrane

Gene Summary: Essential component of the Ost-alpha/Ost-beta complex, a heterodimer that acts as the intestinal basolateral transporter responsible for bile acid export from enterocytes into portal blood. Efficiently transports the major species of bile acids.[UniProtKB/Swiss-Prot Function]