

Product datasheet for **MC220335**

Slc1a1 (NM_013797) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc1a1
Synonyms:	A530084B21; OATP-1; Oatp1; Oatp1a1; Slc21a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC220335 representing NM_013797
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGAAACAGAGAAAAAGGTTGCAACACAAGAAGGCAGATTCTTCTCCAAGATGAAGGTGTTTCTGA
TGTCATTAAACATGTGCATACCTAGCCAAATCACTATCAGGAGTTTATATGAATTCCATGCTCACACAAAT
AGAGAGACAATTTGGTATCCCTACATCTGTAGTTGGATTTATCACTGGGAGCTTTGAGATAGGAAACCTT
TTGTTGATTGTATTCGTGAGTTATTTTGAAGGAACTGCACAGACCTATCATTATTGGTGTGGATGTG
TGGTTATGGCCTGGGGTGTTCCTTAATGGCATCACCTCATTTCCTCATGGGCAGATACAAATATGAAAC
AACAATATCACCTACAAGCACTTGTCTCAAACAGCTTCTTGTGTATAGAAAACAGAACACAGACCTTA
AAGCCAACGCAAGATCCAACAGAGTGTGTAAGAAATAAAATCATTAAATGTGGATATATGTAATAATAG
GAAATACTATGCGTGGAATTGGTGAACTCCCATATGCCCTTGGGTATTTCTTACATCGAAGACTTTGC
CAAATCAGAAAACCTCCTTTATATATTGGGATTTAGAAATGGGAAGATTGTTGGCCGATTATTGGA
CTTTTGTGGGATCTTTCTTTGCACGTGTTTATGTAGACATTGGGTCTGTGAATACAGATGACCTGACCA
TAACTCCCACTGATACAGCTGGGTGCGTCTTGGTGGATTGGCTTTTGGTCTGTGCAGGAGTGAATAT
CCTGACCAGCATCCCTTTTCTTCTTCCAAAGACTGCCAAAGAAAGAACTACAGGATAATGTGGAT
GTGACTAAATATGAGAAAGTTGAAAACATAGAGAAAGGCCAAAAGGAAAACCTTGAATCACTAAAG
ATTTCTTGCCATTCATGAAGAGCCTCTGCTGCAATCCTATTTATATGCTGTTCACTTACGAGTGTGCT
CCAGATAAATGGATTTGCCAGTACATTTACCTTCTTGCCAAATACCTGGAGCAGCAATATGAAAAATCC
ACTTCAGAGGCAGTATTCCTCATAGGTGTTTATAGCTTGCTCCAGTATGCCTTGGATATTTAATCAGTG
GCTTTATTATGAAGAAGTTAAGATCACTGTCAAGAAAGCTGCATACATAGCATTGGCCTGTCCTTATC
TGAATATTTTATTTCTCTGTAACATTTTGTGACCTGTGATAATTTCCAGTTGCTGGATTAAACCACC
TCTTATAAAGGAGTTCAGCACCTCTATATGGGGAGAAAAATGTCCTTGCTGACTGCAACACAAGGTGCA
GCTGCTTAACGGACACATGGGATCCAGTGTGTGGGGACAATGGCCTAGCTTACATGTCAGCCTGCCTCGC
AGGCTGTGAGAAGTCTGTTGGAAGTGAACCAACATGGTGTTCAAAATTGCAGCTGCATTGGGTCATCA
GGAAACTCATCTGCAGTCTGGGGCTGTGTAAGAAAGGCCCTGAGTGTGACAACAAGCTGCAGTACTTTT
TAATCAAGTCAGTATTTCCAGTTTCATCTTCTCACTCGCAGCCATCCCTGGATACATGGTTCTTCTGAG
GTGTGTCAAATCTGAAGAGAAGTCAATTGGAGTTGGATTACATGCATTTTTCATAAGACTATTAGCTGGC
ATTCGGGCACCTGTTTACTTTGGCGCTTTGATAGACAGAACCTGTTTACATTGGGGAACCTGAAATGTG
GTCAACCAGGGGCATGCAGGATGTATGATATAAACAGATTCAGGCACATTTACCTGGGGTTGCCTGCAGC
AGTGAGAGGATCAAGCTTTCTCCCGCAGTCTTCATTCTAATCCTTATGAGGAAATTCATTTCCCTGGC
GACATCCACTCTCCAGACACTGAACCTGCAGAGATGAAGCTCACAGAGAAGGAAGCGAGTGCACAGATG
TGTGCAGAAGTCCTAAGGTCGAGAACGATGGAGAACTGAAACTAAGCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013797

Insert Size: 2013 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_013797.5 , NP_038825.1
RefSeq Size:	3967 bp
RefSeq ORF:	2013 bp
Locus ID:	28248
UniProt ID:	Q9QXZ6
Cytogenetics:	6 G2
Gene Summary:	Mediates the Na(+)-independent transport of organic anions such as taurocholate, prostaglandin E2 (PGE2), dehydroepiandrosterone sulfate (DHEAS), 17-beta-glucuronosyl estradiol, estrone-3-sulfate, sulfobromophthalein (BSP), ouabain and gadoxetate. [UniProtKB/Swiss-Prot Function]