

Product datasheet for **MC214598**

Slc51b (NM_178933) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc51b (NM_178933) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc51b
Synonyms:	Ostb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214598 representing NM_178933 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCACAGTGCAGAGAAAGCTGCAGCCAATGCCGAGGTGCCCCAGGAACTGCTGGAAGAAATGCTTT
GGTATTTTCGTGCAGAAGATGCGGCTCCTTGAATTATTCATCCTGGTCTGGCAGTCTGGTGGTCAT
GACAAGCATGTTCTCCTGAGAAGGAGCATCCTGGCAAACAGAAATCGAAAGAAGCAGCCACAAGACAAA
GAAACACCAGAAGACCTGCATCTTGATGACTCCATAATGAAAGAGAACAACAGCCAGGTCTTCTTAAGAG
AGACATTGATCTCAGAGAAACCAGACTTGGCCCCGGGGAACTGAGTTGAAAGAGAAAGACTCATCACT
TGCTTTCTGCCAGACCCACAGGAAACAGAGAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3099_h08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_178933

Insert Size: 387 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).



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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_178933.2 , NP_849264.1
RefSeq Size:	488 bp
RefSeq ORF:	387 bp
Locus ID:	330962
UniProt ID:	Q80WK2
Cytogenetics:	9 C
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. Modulates SLC51A glycosylation, membrane trafficking and stability activities.[UniProtKB/Swiss-Prot Function]