

## Product datasheet for **RC217638**

### OST beta (SLC51B) (NM\_178859) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OST beta (SLC51B) (NM\_178859) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** OST beta  
**Synonyms:** OSTB; OSTBETA  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC217638 ORF sequence  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGCACAGTGAGGGGCTCCCGGAGACCCAGCCGGTACTGTGGTACCCAGGAGCTGCTGGAAGAGA  
TGCTTTGGTTTTTCGTGTGGAAGATGCATCTCCCTGGAATCATTCCATCCTTGCCCTGGCAGCTGTGGT  
GGTCATTATAAGCATGGTCTCCTGGGAAGAAGCATCCAGGCAAGCAGAAAAGAAAAGATGCAGCCACCA  
GAAAAAGAACTCCAGAAGTCTGCATTTGGATGAGGCCAAGGATCACACAGCCTAAACAACCTAAGAG  
AACTTTGCTCTCAGAAAAGCCAACTTGCCCCAGGTGGAAGTGAAGTAAAAGAGAGAGATGTGCTGTC  
AGTTTTCTTCCGGATGTACCAGAACTGAGAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC217638 protein sequence  
**Red**=Cloning site **Green**=Tags(s)  
MEHSEGAPGDPAGTVVPQELLEMLWFFRVEDASPNHSILALAAVVVVISMVLLGRSIQASRKEKMQPP  
EKETPEVLHLDEAKDHNSLNNLRETLLEKPNLAQVELELKERDVLVFLPDVPETES

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6457\\_d10.zip](https://cdn.origene.com/chromatograms/mk6457_d10.zip)

**Restriction Sites:** SgfI-MluI

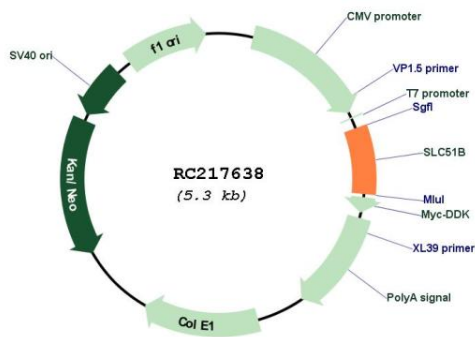


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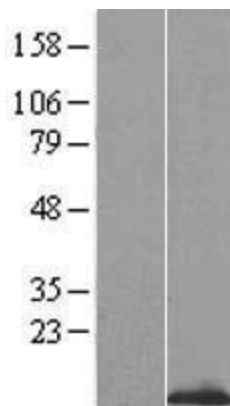


RefSeq:	<u>NM_178859.4</u>
RefSeq Size:	940 bp
RefSeq ORF:	387 bp
Locus ID:	123264
UniProt ID:	<u>Q86UW2</u>
Cytogenetics:	15q22.31
Protein Families:	Transmembrane
MW:	14.3 kDa
Gene Summary:	Essential component of the Ost-alpha/Ost-beta complex, a heterodimer that acts as the intestinal basolateral transporter 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]

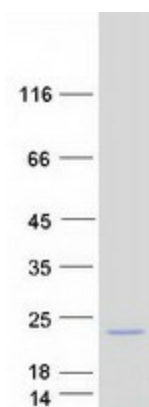
### Product images:



Circular map for RC217638



Western blot validation of overexpression lysate (Cat# [LY405823]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217638 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SLC51B protein (Cat# [TP317638]). The protein was produced from HEK293T cells transfected with SLC51B cDNA clone (Cat# RC217638) using MegaTran 2.0 (Cat# [TT210002]).