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## Product Data Sheet

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Product Name: SLC51B Human  
 Cat. No.: GP24608  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	OSTB; OSTBETA; Organic solute transporter subunit beta; OST-beta; Solute carrier family 51 subunit beta.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGRSIQASR KEKMQPPEKE TPEVLHLDEA KDHNSLNNLR ETLSEKPNLAQVELELKER DVLSVFLPDV PETES		
Formulation	SLC51B protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

### Introduction

Solute Carrier Family 51 Beta (SLC51B), is a protein coding gene. SLC51B is an organic solute transporter subunit. SLC51 is composed of two different proteins that must heterodimerize to generate transport activity, however the role of the individual subunits in mediating transport activity is unknown. The results show that SLC51B is required for both proper trafficking of SLC51A and formation of the functional transport unit, and identify specific residues of SLC51B essential for these processes. Among the diseases associated with SLC51B are extrahepatic cholestasis, and biliary atresia.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SLC51B Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 95 amino acids (57-128 a.a) and having a molecular mass of 10.7kDa.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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