

Recombinant Human solute carrier family 51, beta subunit, His-tagged

Cat. No. SLC51B-283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC51B, 57-128aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	57-128 a.a.
Description	SLC51B, as known as OSTB, is an organic solute transporter subunit. SLC51 is composed of two distinct proteins that must heterodimerize to generate transport activity, but the role of the individual subunits in mediating transport activity is unknown. The results demonstrate that SLC51B is required for both proper trafficking of SLC51A and formation of the functional transport unit, and identify specific residues of SLC51B critical for these processes. Recombinant human SLC51B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl
Molecular Mass	10.7 kDa(95aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSRSIQASR KEKMQPPEKE TPEVLHLDEA KDHNSLNNLR ETLLSEKPNL AQVELELKER DVLSVFLPDV PETES

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Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	SLC51B solute carrier family 51, beta subunit [Homo sapiens]
Official Symbol	SLC51B
Synonyms	OSTB; OSTBETA
Gene ID	123264
mRNA Refseq	NM_178859.3
Protein Refseq	NP_849190.2
MIM	612085
UniProt ID	Q86UW2
Chromosome Location	15q22.31
Pathway	Bile secretion, organism-specific biosystem;Bile secretion, conserved biosystem;
Function	transporter activity;

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