

**AR51189PU-N****Human SLC51B (57-128, His-tag) - Purified****Alternate names:**

OSTB, OSTBETA

**Quantity:**

0.25 mg

**Concentration:**

1.0 mg/ml (determined by Bradford assay)

**Background:**

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.

**Uniprot ID:**[Q86UW2](#)**NCBI:**[NP\\_849190](#)**GeneID:**[123264](#)**Species:**

Human

**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl**Description:**

Recombinant human SLC51B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**AA Sequence:**MGSSHHHHHH SGLVPRGSH MGRSIQASR KEKMQPPEKE TPEVLHLDEA KDHNSLNNLR  
ETLLSEKPNL AQVELELKER DVLSVFLPDV PETES**Molecular weight:** 10.7 kDa (95aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General Readings:**

Christian WV. et al. (2012) J Biol Chem. 287:21233-21243 Dawson PA. et al. (2005) J Biol Chem. 280(8):6960-6968.

**Pictures:**