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Schillerstr. 5

AR51189PU-S Human SLC51B (57-128, His-tag) - Purified

Alternate names: OSTB, OSTBETA

Quantity: 50 μg

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: <u>Q86UW2</u>
NCBI: <u>NP 849190</u>
GeneID: <u>123264</u>
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 SSGLVPRGSH MGSRSIQASR KEKMQPPEKE TPEVLHLDEA KDHNSLNNLR

ETLLSEKPNL AQVELELKER DVLSVFLPDV PETES

Molecular weight: 10.7 kDa (95aa) confirmed by MALDI-TOF

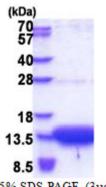
Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

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:



15% SDS-PAGE (3ug)