Recombinant human SLC51B protein

Catalog Number: ATGP2366

PRODUCT INFORMATION

Expression system
E.coli

Domain
57-128aa

UniProt No.
Q86UW2

NCBI Accession No.
NP_849190

Alternative Names
Organic solute transporter subunit beta, OSTB, OSTBETA

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

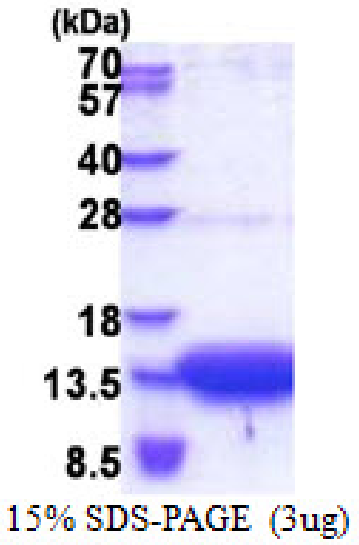
MGSSHHHHHH SSGLVPRGSH MGSRSIQASR KEKMQPPEKE TPEVLHLDEA KDHNSLNNLR ETLLSEKPNL AQVELELKER DVLSVFLPDV PETES

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.