

Datasheet for ABIN7550538
SLC51B Protein (AA 1-128) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC51B (OSTBETA)
Protein Characteristics:	AA 1-128
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC51B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC51B Protein expressed in mammalien cells.
Sequence:	MEHSEGAPGD PAGTVVPQEL LEMLWFFRV EDASPNWHSI LALAAVVVII SMVLLGRSIQ ASRKEKMQPP EKETPEVLHL DEAKDHNSLN NLRETLLESEK PNLAQVELEL KERDVLSVFL PDVPETES Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis).

Product Details

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: SLC51B (OSTBETA)

Alternative Name: SLC51B ([OSTBETA Products](#))

Background: Organic solute transporter subunit beta (OST-beta) (Solute carrier family 51 subunit beta),FUNCTION: Essential component of the Ost-alpha/Ost-beta complex, a heterodimer that acts as the intestinal basolateral transporter responsible for bile acid export from enterocytes into portal blood (PubMed:16317684). Modulates SLC51A glycosylation, membrane trafficking and stability activities (PubMed:16317684). The Ost-alpha/Ost-beta complex efficiently transports the major species of bile acids (taurocholate) (PubMed:16317684). Taurine conjugates are transported more efficiently across the basolateral membrane than glycine-conjugated bile acids (By similarity). Can also transport steroids such as estrone 3-sulfate and dehydroepiandrosterone 3-sulfate, therefore playing a role in the enterohepatic circulation of sterols (PubMed:16317684). Able to transport eicosanoids such as prostaglandin E2 (By similarity). {ECO:0000250|UniProtKB:Q8R000, ECO:0000250|UniProtKB:Q90YM5, ECO:0000269|PubMed:16317684}.

Molecular Weight: 14.3 kDa

UniProt: [Q86UW2](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
