

Datasheet for ABIN7559608

OST alpha Protein (AA 1-340) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	OST alpha (OSTALPHA)
Protein Characteristics:	AA 1-340
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OST alpha protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc51a Protein expressed in mammalian cells.
Sequence:	<p>MEPGRTHIKL DPRYTAELE LLETNYSISP ACFSHPTAA QLLRALGPVD IALTIILTFL TTGSVAIFLE DAVYLYKNTL CPIKKRTLW SSSAPT VVSF FCCFGLWIPR ALTLVEMAIT SFYAVCFYLL MMVMVEGF GG KKA VLR LTKD TPMRVHTGPC CCCCPCPPL ILTRKKLQLL LLGPFQYAFF KITLSIVGLF LIPDGIYDPG EISEKSAALW INNLLAVSTL LALWSLAILF RQAKMHLGEQ NMGSKFALFQ VLVILTALQP AIFSILANSG QIACSPPYSS KIRSQVMNCH MLILETFLMT VLTRMYRRK DDKVGYEACS LPDLD SALK A 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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).

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	OST alpha (OSTALPHA)
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Alternative Name:	Slc51a (OSTALPHA Products)
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Background:	<p>Organic solute transporter subunit alpha (OST-alpha) (Solute carrier family 51 subunit alpha),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:15563450, PubMed:16317684, PubMed:17650074, PubMed:18292224, PubMed:22535958). Efficiently transports the major species of bile acids (taurocholate) (PubMed:16317684, PubMed:17650074, PubMed:18292224, PubMed:22535958). Taurine conjugates are transported more efficiently across the basolateral membrane than glycine-conjugated bile acids (PubMed:16317684). Can also transport steroids such as estrone 3-sulfate and dehydroepiandrosterone 3-sulfate, therefore playing a role in the enterohepatic circulation of sterols (By similarity). Able to transport eicosanoids such as prostaglandin E2 (By similarity). {ECO:0000250 UniProtKB:Q86UW1, ECO:0000250 UniProtKB:Q90YM5, ECO:0000269 PubMed:15563450, ECO:0000269 PubMed:16317684, ECO:0000269 PubMed:17650074, ECO:0000269 PubMed:18292224, ECO:0000269 PubMed:22535958}.</p>
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Target Details

Molecular Weight: 37.8 kDa

UniProt: [Q8R000](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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