

Datasheet for ABIN7561769

Slco1a1 Protein (AA 1-670) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Slco1a1
Protein Characteristics:	AA 1-670
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Slco1a1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Slco1a1 Protein expressed in mammalien cells.
Sequence:	<p>MEETEKKVAT QEGRFFSKMK VFLMSLTCA Y LAKSLSGVYM NSMLTQIERQ FGIPTSVVGF ITGSFEIGNL LLIVFVS YFG RKLHRPIIIG VGCVVMGLGC FLMASPHFLM GRYKYETTIS PTSNLSSNSF LCIENRTQTL KPTQDPTECV KEIKSLMWIY VLIGNTMRGI GETPIMPLGI SYIEDFAKSE NSPLYIGILE MGKIVGPIIG LLLGSFFARV YVDIGSVNTD DLTITPTDTR WVGAWWIGFL VCAGVNILTS IPFFFFPKTL PKKELQDNVD VTKYEKVEKH RERAKKENLG ITKDFLPMFK SLCCNPIYML FSLTSVLQIN GFASTFTFLP KYLEQQYGKS TSEAVFLIGV YSLPPVCLGY LISGFIMKKF KITVKAAYI AFGLSLSEYF IFLCNVLLTC DNFPVAGLTT SYKGVQHPLY GEKNVLADCN TRCSCLDTW DPVCGDNGLA YMSACLAGCE KSVGTGTNMV FQNCSCIGSS GNSSAVLGLC KKGPECDNKL QYFLIKSVFS SFIFSLAAIP GYMVLLRCVK SEESIGVGL HAFFIRLLAG IPAPVYFGAL IDRTCLHWGT LKCGQPGACR MYDINRFRHI YLGLPAAVRG SSFLPAVFIL ILMRKFHFPD DIHSPDELA EMKLTEKESE CTDVCRSPKV</p>

ENDGELKTKL **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:

Key Benefits:

- 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, Western Blot

Grade:

custom-made

Target Details

Target:

Slco1a1

Alternative Name:

Slco1a1 ([Slco1a1 Products](#))

Background:

Solute carrier organic anion transporter family member 1A1 (Sodium-independent organic anion-transporting polypeptide 1) (OATP-1) (Solute carrier family 21 member 1),FUNCTION: Mediates the Na(+)-independent transport of organic anions such as steroid sulfate conjugates (dehydroepiandrosterone sulfate (DHEAS), 17-beta-glucuronosyl estradiol, estrone-3-sulfate), conjugated (taurocholate) and unconjugated (cholate) bile acids, prostaglandin E2 (PGE2) and L-thyroxine T4 (PubMed:10600646, PubMed:11267661). Also capable of transporting sulfobromophthalein (BSP), ouabain and gadoxetate (PubMed:10600646). Hydrogencarbonate/HCO₃⁽⁻⁾ acts as the probable counteranion that exchanges for organic anions (By similarity). Shows a pH-sensitive substrate specificity which may be ascribed to the protonation state of the binding site and leads to a stimulation of substrate transport in an

Target Details

acidic microenvironment (By similarity). {ECO:0000250|UniProtKB:P46720, ECO:0000269|PubMed:10600646, ECO:0000269|PubMed:11267661}.

Molecular Weight: 74.4 kDa

UniProt: [Q9QXZ6](#)

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