

Datasheet for ABIN7561377

Solute Carrier Organic Anion Transporter Family, Member 1a4 (Slco1a4) (AA 1-670) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Solute Carrier Organic Anion Transporter Family, Member 1a4 (Slco1a4)
Protein Characteristics:	AA 1-670
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant Slco1a4 Protein expressed in mammalian cells.
Sequence:	MGKSEKEVAT HGVRCSKIK AFLALTCAY VSKSLSGTYM NSMLTQIERQ FGIPTSVVGL INGSFEIGNL LLIFVSYFG TKLHRPIMIG VGCAVMGLGC FLISIPHFLM GRYEYETIL PTSNLSSNSF VCTENRTQTL KPTQDPTECV KEMKSLMWIY VLVGNIIRGM GETPIMPLGI SYIEDFAKSE NSPLYIGILE TGMTIGPLIG LLLGSSCANI YVDTGSVNTD DLTITPTDTR WVGAWWIGFL VCAGVNILTS IPFFFFPKTL LKEGLQDNGD GTENAKEEKH REKIKEENRG ITKDFFLFMK SLSCNPIYMI FILISVIQVN AFINSFTFMP KYLEQQYGKS TAEIVFLMGL YMLPPICLGY LIGGLIMKKF KITVKKAAAYI GFWLSLTEYL LSFVSYIMTC DNFPVAGLTT SYEGVQHPLY VENNVLADCN TKCSCLTNTW DPVCGDNGLS YMSACLAGE KSVGTGTNMV FQNCSCIQSS GNASAVLGLC DKGPECANGL QYFLIISIIG CFIFSLGAIP GYMVLLRCMK SEEKSLGVGL HTFCMRILGG IPAPIYFGAL IDRTCLHWGT LKCGEPGACR MYDINSFRRI YLGLPAALRG ASFLPALFIL ILMRKFQFPG DIDSSDTPA EMKLTAKESK CTNVHRSPTM QNDGERKTKL Sequence without tag. The proposed Purification-Tag is based on

Product Details

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.

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:

- 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)

Grade: custom-made

Target Details

Target: Solute Carrier Organic Anion Transporter Family, Member 1a4 (Slco1a4)

Alternative Name: Slco1a4 ([Slco1a4 Products](#))

Background: Solute carrier organic anion transporter family member 1A4 (Sodium-independent organic anion-transporting polypeptide 2) (Solute carrier family 21 member 5),FUNCTION: Mediates the Na(+)-independent transport of organic anions such as taurocholate, cholate, 17-beta-glucuronosyl estradiol, prostaglandin E2, estrone 3-sulfate, L-thyroxine (T4), the cardiac glycosides ouabain and digoxin and thyroid hormones. 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 acidic microenvironment. Hydrogencarbonate/HCO3(-) acts as the probable counteranion that exchanges for organic anions. {ECO:0000250|UniProtKB:O35913}.

Target Details

Molecular Weight: 74.0 kDa

UniProt: [Q9EP96](#)

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