

Datasheet for ABIN7555364
SLC22A9 Protein (AA 1-553) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC22A9
Protein Characteristics:	AA 1-553
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC22A9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC22A9 Protein expressed in mammalian cells.
Sequence:	<p>MAFQDLLGHA GDLWRFILQ TVFLSIFAVA TYLHFMLENF TAFIPGHRCW VHILDNDTVS DNDTGALSQD ALLRISIPLD SNMRPEKCRF FVHPQWQLLH LNGTFPNTSD ADMEPCVDGW VYDRISFSST IVTEWDLVCD SQSLTSVAKF VFMAGMMVGG ILGGHLSDRF GRRFVLRWCY LQVAIVGTCA ALAPTFLIYC SLRFLSGIAA MSLITNTIML IAEWATHRFQ AMGITLGMCP SGIAFMTLAG LAFAIRDWHI LQLVVSVPYF VIFLTSSWLL ESARWLIINN KPEEGLKELR KAAHRSGMKN ARDTLTLEIL KSTMKKELEA AQKKKPSLCE MLHMPNICKR ISLLSFTRFA NFMAYFGLNL HVQHLGNNVF LLQTLFGAVI LLANCVAPWA LKYMNRASQ MLLMFLLAIC LLAIFVPQE MQTLREVLAT LGLGASALAN TLFAHGNEV IPTIIRARAM GINATFANIA GALAPLMIL SVYSPPLWI IYGVFPFISG FAFLLLPETR NKPLFDTIQD EKNERKDPRE PKQEDPRVEV TQF 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>

Product Details

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: SLC22A9

Alternative Name: SLC22A9 ([SLC22A9 Products](#))

Background: Organic anion transporter 7 (OAT7) (Organic anion/short-chain fatty acid exchanger) (Solute carrier family 22 member 9),FUNCTION: Sodium-independent organic anion transporter, exhibits high specificity for sulfated conjugates of xenobiotics and steroid hormones such as estrone 3-sulfate (E1S) and dehydroepiandrosterone sulfate (DHEAS) (PubMed:17393504, PubMed:26239079, PubMed:28945155). Can transport the statin pravastatin and may contribute to its disposition into the hepatocytes when the function of OATPs is compromised (PubMed:26239079). It is specifically activated by 3 to 5 carbons-containing short-chain fatty acids/SCFAs, including propionate (propanoate), butyrate (butanoate) and valerate (pentanoate) (PubMed:17393504). May operate the exchange of sulfated organic components against short-chain fatty acids/SCFAs, in particular butanoate, at the sinusoidal membrane of hepatocytes (PubMed:17393504). {ECO:0000269|PubMed:17393504,

Target Details

ECO:0000269|PubMed:26239079, ECO:0000269|PubMed:28945155}.

Molecular Weight: 62.2 kDa

UniProt: [Q8IVM8](#)

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
