

Datasheet for ABIN7555514

Solute Carrier Organic Anion Transporter Family, Member 3A1 (SLC03A1) (AA 1-710) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Solute Carrier Organic Anion Transporter Family, Member 3A1 (SLC03A1)
Protein Characteristics:	AA 1-710
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC03A1 Protein expressed in mammalian cells.
Sequence:	<p>MQGKKPGGSS GGGRSGELQG DEAQRNKKKK KKVSCFSNIK IFLVSECALM LAQGTVGAYL</p> <p>VSVLTTLERR FNLQSADGVV IASSFEIGNL ALILFVSYFG ARGHRPRLIG CGGIVMALGA</p> <p>LLSALPEFLT HQKYEAGEI RWGAEGRDVC AANGSGGDEG PDPDLICRNR TATNMMYLLL</p> <p>IGAQVLLGIG ATPVQPLGVS YIDDHVRRKD SSLYIGILFT MLVFGPACGF ILGSFCTKIY</p> <p>VDAVFIDTSN LDITPDDPRW IGAWWGGFLL CGALLFFSSL LMFGFPQSLP PHSEPAMESE</p> <p>QAMLSEREYE RPKPSNGVLR HPLEPDSSAS CFQQLRVIPK VTKHLLSNPV FTCIILAACM</p> <p>EIAVVAGFAA FLGKYLEQQF NLTSSANQL LGMTAIPCAC LGIFLGGLLV KKLSLSALGA</p> <p>IRMAMLVNLV STACYVSFLF LGCDTGPVAG VTPYGNSTA PGSALDPYSP CNNNCECQTD</p> <p>SFTPVCGADG ITYLSACFAG CNSTNLTGCA CLTTVPAENA TVVPGKCPSP GCQEAFLTFL</p> <p>CVMCICSLIG AMAQTPSVII LIRTVSPELK SYALGVLFLL LRLLGFIPPP LIFGAGIDST</p> <p>CLFWSTFCGE QGACVLYDNV VYRYLYVSIA IALKSFASIL YTTTWQCLRK NYKRYIKNHE</p>

GGLSTSEFFA STLTLNLGR DPVPANQTHR TKFIYNLEDH EWCENMESVL **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 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Solute Carrier Organic Anion Transporter Family, Member 3A1 (SLC03A1)
Alternative Name:	SLC03A1 (SLC03A1 Products)
Background:	<p>Solute carrier organic anion transporter family member 3A1 (OATP3A1) (Organic anion transporter polypeptide-related protein 3) (OATP-RP3) (OATPRP3) (Organic anion-transporting polypeptide D) (OATP-D) (PGE1 transporter) (Sodium-independent organic anion transporter D) (Solute carrier family 21 member 11),FUNCTION: Putative organic anion antiporter with apparent broad substrate specificity. Recognizes various substrates including thyroid hormone L-thyroxine, prostanoids such as prostaglandin E1 and E2, bile acids such as taurocholate, glycolate and glycochenodeoxycholate and peptide hormones such as L-arginine vasopressin, likely operating in a tissue-specific manner (PubMed:10873595, PubMed:14631946, PubMed:16971491, PubMed:19129463, PubMed:30063921). The transport mechanism, its</p>

Target Details

	electrogenicity and potential tissue-specific counterions remain to be elucidated (Probable). {ECO:0000269 PubMed:10873595, ECO:0000269 PubMed:14631946, ECO:0000269 PubMed:16971491, ECO:0000269 PubMed:19129463, ECO:0000269 PubMed:30063921, ECO:0000305}.
Molecular Weight:	76.6 kDa
UniProt:	Q9UIG8

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