SLC22A11 cDNA Clone – Solute Carrier Family 22 (Organic Anion/Urate Transporter), Member 11 (Human)

PRODUCT OVERVIEW

Product Name	SLC22A11, cDNA Clone
Full Product Name	SLC22A11 cDNA Clone
Product Gene Name	SLC22A11 cdna clone
Sequence	atggcgttct cgaagctctt ggagcaagcc ggaggcgtgg gcctcttcca gaccctgcag gtgctcacct tcatcctccc ctgcctcatg ataccttccc agatgctcct ggagaacttc tcagccgcca tcccaggcca ccgatgctgg acacacatgc tggacaatgg ctctgcggtt tccacaaaca tgacccccaa ggcccttctg accatctcca tcccgccagg ccccaaccag gggccccacc agtgccgccg cttccgccag ccacagtggc agctcttgga ccccaatgcc acggccacca gctggagcga agctgacacg gagccgtgtg tggacggctg ggtctatgac cgcagcgtct tcacctccac catcgtggcc aagtgggacc tggtgtgcag ctcccagggc ttgaagcccc taagccagtc catcttcatg tccgggatcc tggtgggctc ctttatctgg ggcctcctct cctaccggtt tgggaggaag ccgatgctga gctggtgctg cctgcagttg gccgtggcgg gcaccagcac catcttcgcc ccaacattcg tcatctactg cggcctgcgg ttcgtggccg cttttgggat ggccggcatc tttctgagtt cactgacact gatggtggag tggaccacga ccagcaggag ggcggtcacc atgacggtgg tgggatgtgc cttcagcgca ggccaggcgg cgctgggcgg cctggccttt gccctgcggg actggaggac tctccagctg gcagcatcag tgcccttctt tgccatctcc ctgatatcct ggtggctgcc agaatccgcc cggtggctga ttattaaggg caaaccagac caagcacttc aggagctcag aaaggtggcc aggataaatg gccacaagga ggccaagaac ctgaccatag aggtgctgat gtccagcgtg aaggaggagg tggcctctgc aaaggagccg cggtcggtgc tggacctgtt ctgcgtgccc gtgctccgct ggaggagctg cgccatgctg gtggtgaatt tctctctatt gatctcctac tatgggctgg tcttcgacct gcagagcctg ggccgtgaca tcttcctcct ccaggccctc ttcggggccg tggacttcct gggccgggcc accactgccc tcttgctcag tttccttggc cgccgcacca tccaggcggg ttcccaggcc atggccggcc tcgccattct agccaacatg ctggtgccgc aagatttgca gaccctgcgt gtggtctttg ctgtgctggg aaagggatgt tttgggataa gcctaacctg cctcaccatc tacaaggctg aactctttcc aacgccagtg cggatgacag cagatggcat tctgcataca gtgggccggc tgggggctat gatgggtccc ctgatcctga tgagccgcca agccctgccc ctgctgcctc ctctcctcta tggcgttatc tccattgctt ccagcctggt tgtgctgttc ttcctcccgg agacccaggg acttccgctc cctgacacta tccaggacct ggagagccag aaatcaacag cagcccaggg caaccggcaa gaggccgtca ctgtggaaag tacctcgctc tag
Molecular Weight	48,301 Da
OMIM	607097
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SLC22A11 cdna clone	MBS1266699 is a cDNA clone targeting SLC22A11.
Other Notes	Small volumes of SLC22A11 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC22A11. It may not necessarily be applicable to this product.

NCBI GI #	21706713
NCBI GeneID	55867
NCBI Accession #	BC034384
UniProt Secondary Accession #	Q53GR2; Q6ZP72; Q8NBU4; A8K426
UniProt Related Accession #	Q9NSA0
NCBI Official Full Name	Homo sapiens solute carrier family 22 (organic anion/urate transporter), member 11, mRNA

NCBI Official Synonym Full Names	solute carrier family 22 member 11
NCBI Official Symbol	SLC22A11
NCBI Official Synonym Symbols	OAT4; hOAT4
UniProt Protein Name	Solute carrier family 22 member 11
UniProt Synonym Protein Names	Organic anion transporter 4
Protein Family	Solute carrier family
UniProt Gene Name	SLC22A11
UniProt Synonym Gene Names	OAT4
UniProt Entry Name	S22AB_HUMAN
NCBI Protein Information	solute carrier family 22 member 11
NCBI Summary for SLC22A11	The protein encoded by this gene is involved in the sodium-independent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and is found mainly in the kidney and in the placenta, where it may act to prevent potentially harmful organic anions from reaching the fetus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]
UniProt Comments for SLC22A11	SLC22A11: Mediates saturable uptake of estrone sulfate, dehydroepiandrosterone sulfate and related compounds. Belongs to the major facilitator (TC 2.A.1) superfamily. Organic cation transporter (TC 2.A.1.19) family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transporter; Membrane protein, multi-pass; Membrane protein, integral; Cell surface; Transporter, SLC family Chromosomal Location of Human Ortholog: 11q13.1 Cellular Component: apical plasma membrane; external side of plasma membrane; integral to plasma membrane; plasma membrane Molecular Function: inorganic anion exchanger activity; organic anion transmembrane transporter activity; protein binding; sodium-independent organic anion transmembrane transporter activity Biological Process: organic anion transport; sodium-independent organic anion transport; urate metabolic process
Research Articles on SLC22A11	**1.** modifies placental passage of perfluorinated alkyl acids, may decrease fetal exposure
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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