SLCO6A1 cDNA Clone – Solute Carrier Organic Anion Transporter Family, Member 6a1 (Human)

PRODUCT OVERVIEW

Product Name	SLCO6A1, cDNA Clone
Full Product Name	SLCO6A1 cDNA Clone
Product Gene Name	SLCO6A1 cdna clone
Sequence	atgttcgtag gcgtcgcccg gcactctggg agccaggatg aagtctcaag gggagtagag ccgctggagg ccgcgcgggc ccagcctgct aaggacagga gggccaaggg aaccccgaag tcctcgaagc ccgggaaaaa acaccggtat ctgagactac ttccagaggc cttgataagg ttcggcggtt tccgaaaaag gaaaaaagcc aagtcctcag tttccaagaa gccgggagaa gtggatgaca gtttggagca gccctgtggt ttgggctgct tagtcagcac ctgctgtgag tgttgcaata acattcgctg cttcatgatt ttctactgca tcctgctcat atgtcaaggt gtggtgtttg gtcttataga tgtcagcatt ggtgattttc agaaggaata tcaactgaaa accattgaga agttggcatt ggaaaagagt tacgatattt catctggcct ggtagcaata tttatagcat tctatggaga cagaaaaaaa gtaatatggt ttgtagcttc ctccttttta ataggacttg gatcactttt atgtgctttt ccatccatta atgaagaaaa taaacaaagt aaggtaggaa ttgaaggtat tgcagaatgt acatcaatga ttggatatgc tctgggttat gtgctaggag caccactagt taaagtccct gagaatacta cttctgcaac aaacactaca gtcaataatg gtagtccaga atggctatgg acttggtgga ttaattttct ttttgccgct gtcgttgcat ggtgtacatt aataccattg tcatgctttc caaacaatat gccaggttca acacggataa aagctaggaa acgtaaacag cttcattttt ttgacagcag acttaaagat ctgaaacttg gaactaatat caaggattta tgtgctgctc tttggattct gatgaagaat ccagtgctca tatgcctagc tctgtcaaaa gctacagaat atttagttat tattggagct tctgaatttt tgcctatata tttagaaaat cagtttatat taacacccac tgtggcaact acacttgcag gacttgtttt aattccagga ggtgcacttg gccagcttct gggaggtgtc attgtttcca cattagaaat gtcttgtaaa gcccttatga gatttataat ggttacatct gtgatatcac ttatactgct tgtgtttatt atttttgtac gctgtaatcc agtgcaattt gctgggatca atgaagatta tgatggaaca gggaagttgg gaaacctcac ggctccttgc aatgaaaaat gtagatgctc atcttcaatt tattcttcta tatgtggaag agatgatatt gaatattttt ctccctgctt tgcagggtgt acatattcta aagcacaaaa ccaaaaaaag atgtactaca attgttcttg cattaaagaa ggattaataa ctgcagatgc agaaggtgat tttattgatg ccagacccgg gaaatgtgat gcaaagtgct ataagttacc tttgttcatt gcttttatct tttctacact tatattttct ggtttttctg gtgtaccaat cgtcttggcc atgacgcggg ttgtacctga caaactgcgt tctctggcct tgggtgtaag ctatgtgatt ttgagaatat ttgggactat tcctggacca tcaatcttta aaatgtcagg agaaacttct tgtattttac gggatgttaa taaatgtgga cacacaggac gttgttggat atataacaag acaaaaatgg ctttcttatt ggtaggaata tgttttcttt gcaaactatg cactatcatc ttcactacta ttgcattttt catatacaaa cgtcgtctaa atgagaacac tgacttccca gatgtaactg tgaagaatcc aaaagttaag aaaaaagaag aaactgactt gtaa
Molecular Weight	51,398 Da
OMIM	613365
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 SLCO6A1 cdna clone	MBS1271548 is a cDNA clone targeting SLCO6A1.
Other Notes	Small volumes of SLCO6A1 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 SLCO6A1. It may not necessarily be applicable to this product.

NCBI GI #	34190166
NCBI GeneID	133482
NCBI Accession #	BC034976
UniProt Secondary Accession #	Q6ZMY5; Q86UV2; Q8IYU5; A6NHC1

UniProt Related Accession #	Q86UG4
NCBI Official Full Name	Homo sapiens solute carrier organic anion transporter family, member 6A1, mRNA
NCBI Official Synonym Full Names	solute carrier organic anion transporter family member 6A1
NCBI Official Symbol	SLCO6A1
NCBI Official Synonym Symbols	GST; CT48; OATPY; OATP-I; OATP6A1
UniProt Protein Name	Solute carrier organic anion transporter family member 6A1
UniProt Synonym Protein Names	Cancer/testis antigen 48; CT48; Gonad-specific transporter; GST; Organic anion-transporting polypeptide 6A1; Organic anion-transporting polypeptide I; OATP-I; Solute carrier family 21 member 19
Protein Family	Solute carrier organic anion transporter family
UniProt Gene Name	SLCO6A1
UniProt Synonym Gene Names	OATP6A1; SLC21A19; CT48; GST; OATP-I
UniProt Entry Name	SO6A1_HUMAN
NCBI Protein Information	solute carrier organic anion transporter family member 6A1
UniProt Comments for SLCO6A1	SLCO6A1: a multi-pass membrane protein strongly expressed in testis and weakly in spleen, brain, fetal brain and placenta. A member of the Cancer-Testis Antigen (CTA) superfamily. CTAs may play roles in embryonal development and tumor transformation or aspects of tumor progression. CTAs were once thought to be silenced in most normal adult tissues, with limited expression in fetal, placental, testis, and ovarian cells. These proteins are now known to be aberrantly expressed in various cancers and many are capable of eliciting humoral and cellular immune responses. Expressed in bladder, esophageal, brain and lung cancers. Spontaneous humoral immune responses have been detected in cancer patients. Belongs to the organo anion transporter (TC 2.A.60) family. Contains 1 Kazal-like domain. Note: This description may include information from RefSeq and UniProtKB Protein type: Membrane protein, multi-pass; Membrane protein, integral; Transporter, SLC family; Cancer Testis Antigen (CTA); Transporter Chromosomal Location of Human Ortholog: 5q21.1 Cellular Component: integral to plasma membrane Molecular Function: sodium-independent organic anion transmembrane transporter activity Biological Process: sodium-independent organic anion transport
Research Articles on SLCO6A1	**1.** High OATP6A1 expression is associated with small cell lung cancer.
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