

Product datasheet for **RC220939**

SLCO5A1 (NM_030958) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLCO5A1 (NM_030958) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLCO5A1
Synonyms:	OATP-J; OATP-RP4; OATP5A1; OATPJ; OATPRP4; SLC21A15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC220939 representing NM_030958
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGAAGGCACTGGACTGCAGCCCGGGCGGGAGAGCAGCTGGAGGCGCCGCCACTGCAGAAGCTG
 TCCAAGAGAGGTGCGAGCCGGAGACCCTCAGGTCTAAGAGTTTACCGGTCTCAGCAGCGCCTCCTGCCG
 GCCAAGCCTCAGTCCCACTAGTGAGAGACCCAACCCGGCCTTTGGCTGTGTGGATTCTTCGGGCCACCAG
 GAGTTGAAGCAAGGCCCGAACCCGTTGGCCCCAGTCCCTCTGCCCGTCCACTTCGCGGGGCTCGGGG
 ACTGTAACCACAGGGTGGACCTCAGCAAAACCTTCTCGGTGTCTCCGCCTTGGCCATGTCCAGGAGAG
 AAGGTGCCTCTACGTGGTCTCACGGATTCCCCTTGTCTTCTGGTGTGCATGTGCTTTCTGACCTTCATC
 CAGGCGTTAATGGTCTCTGGGTACCTGAGCAGCGTAATTACCACCATTGAAAGGCGCTACAGTCTGAAGA
 GTTCCGAGTCGGGGCTGTGGTCACTGCTTTGACATCGGGAACCTGGTGGTGGTGGTGTTCGTGAGCTA
 CTTCCGGCGCCGGGGTGGCGGCCCTGTGGCTGGCCGTGGGTGGACTCCTCATCGCCTTCGGGGCAGCC
 CTCTTCGCCTTACTCACTTCATCTCGCCCCCTACCAGATCCAAGAGTTGAAAGCCTCGGCCCCCAACG
 ACGGCCTGTGTCAGGGTGGCAACTCCACCGCCACTTTGGAGCCTCCGGCCTGTCCGAAGGACTCGGGAGG
 AAATAACTACTGGGTCTACGTGGCTTTATTCATTTGCGCGCAGATTCTCATTGGAATGGGCTCCACACCT
 ATTTATACCCTGGGACCAACCTACTTAGATGACAATGTCAAGAAAGAAAACCTCCTCTTGTACCTAGCCA
 TCATGTATGTCATGGGAGCACTTGGCCCTGCAGTGGGATATTTATTAGGTGGACTTCTTATTGGTTTTTA
 TGTTGATCCCAGAAATCCTGTTACCTTGACCAGAATGACCCTCGTTTCATTGAAAAGTGGTGGAGTGGAA
 TTCTCTCTTTGTGCCATTGCAATGTTTCTGTGATATTCCAATGTTTACTTTCCAAAAAAGCTTCCAC
 CTCGACACAAGAAAAAGAAAAAAGAAAAATTTTCTGTTGATGCTGTTAGTGATGACGATGTTCTGAAGGA
 GAAATCAAACAACAGTGAACAAGCGGACAAAAAGTTTCTTCGATGGGATTTGAAAAGGATGTGAGAGAC
 CTACCAAGAGCAGCTGTGAGGATCTTAAGCAACATGACATTCTTTTTGTGAGTTTGTACATACACAGCTG
 AGAGTGCCATTGTAAGTCTTTTACCTTACCTTACCTCCCAAGTTTATCGAGTCACAGTTTGGTATCCCAGC
 CTCCAATGCCAGCATCTACACTGGGTTATTATCGTCCCAGTGTGGTGGTATTGCTCCTCGGAGGC
 TACATTAAAAAAATGAAACTTGGTCCAGAGAATCTGCAAACTAGCAATGATCTGCAGTGGTGTGT
 CTTTACTATGTTTTCAACCCTATTTATTGTTGGATGTGAAAGCATTAACTAGGGGGCATAAACATCCC
 TTATAACAAGGACCTTCTCTACCATGCCCATAGGAATCTGACAGGAAGCTGCAACGTTAATTGTGGT
 TGTAATAACACGAGTATGAGCCAGTCTGTGGATCAGATGGAATTACATACTTTAACCTTGTCTGGCTG
 GCTGTGTTAATAGTGGTAATCTTAGCACTGGGATACGGAATTATACAGAAATGCACCTGTGTCAAAAGTCG
 CCAAGTGATCACTCCACCACCGTGGGACAGCGAAGTCAGCTCCGTGTGGTTATTGTCAAGACTTATCTC
 AATGAGAACGGCTATGCTGTGTCTGGGAAATGTAACGGACCTGCAATACTCTTATCCCATTCTTAGTTT
 TTCTTTTCATAGTCACCTTCATCACAGCATGTGCCCAACCATCAGCTATCATAGTAACACTCAGGTCCGT
 AGAAGATGAGGAGAGACCTTTTGCACTGGGAATGCAGTTTGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 ACTCCAATCTACTTTGGAGCAGTCATTGACACCACCTGCATGCTCTGGCAACAGGAATGGTGTGCAGG
 GTTCTTGCTGGGAGTACAACGTGACGTCGTTTCGTTTTGTGATTTTGGTTGGTGGTGGTGGTGGTGGTGGT
 CGTTGGGTTATTTTTATTTTTCTGGCCTGGTACTCCATAAAATAACAAGGAGGATGGACTGCAGAGGCGG
 AGGCAGAGAGAATTTCCCTGAGCACCGTGAGTGAGAGAGTGGGACACCCGACAATGCCGGACTAGAT
 CTTGCCAGCTTTTCAAGCAGGAGGAGAAATCCACGAAGAGACTGGCCTGCAAAAAGGGATCCAGTGCAGC
 AGCACAGACCTACCCGGGGCCCTTCCAGAAGCAATAAGTTCTCTGCGGACCCGGGGCTGGAAGAGAGC
 CCCGCTGCCTTGAGCCGCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220939 representing NM_030958
 Red=Cloning site Green=Tags(s)

MDEGTGLQPGAGEQLEAPATAEAVQERCEPETLRKSLPVLSSASCRPSLSPTSGDANPAFGCVDSGHQ
 ELKQGNPLAPSPSAPSTSAGLGDCNHRVDLSKTFVSSALAMLQERRCLYVVL TDSRCFLVCMCFLTFI
 QALMVSGYLSSVITTIERRYSLKSSSEGLLVSCFDIGNLVVVVVFVSYFGGRGRRPLWLAVGGLLIAFGAA
 LFALPHFISPPYQIQELNASAPNDGLCQGGNSTATLEPPACPKDSGGNNHWVYVALFICAQILIGMGSTP
 IYTLGPTYLDDNVKKESSLYLAIMYVMGALGPAVGYLLGGLLIGFYVDP RNPVHLDQNDPRFIGNWWSG
 FLLCAIAMFLVIFPMFTFPKKLPPRHKKKKKKFSDAVSDDDLKEKSNNSEQADKKVSSMGFGKDVRD
 LPRAAVRILSNMTFLFVLSYTAESAIVTAFITFIPKFIESQFGIPASNASIYTGVIIVPSAGVIVLGG
 YIIKKLKLGAESAKLAMICSGVSLLCFSTLFI VGCESINLGGINIPYTTGPSLTPHRNLTGSCNVNCG
 CKIHEYEPVCGSDGIT YFNPLAGCVNSGNLSTGIRNYTECTCVQSRQVITPPTVQQRSQLRVVIVKTYL
 NENGYAVSGKCKRTCNTLIPFLVFLFIVFITACAQPSAIIVTLRSVEDEERPFALGMQFVLLRTLAYIP
 TPIYFGAVIDTTCMLWQQECGVQGSWEYNVTSFRFVYFGLAAGLK FVGFIFIFLAWYSIKYKEDGLQRR
 RQREFPLSTVSEVRGHPDNARTRSCPAFSTQGEFHEETGLQKGIQCAAQTYPGPFPEAISSADPGLLEES
 PAALEPPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8011_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

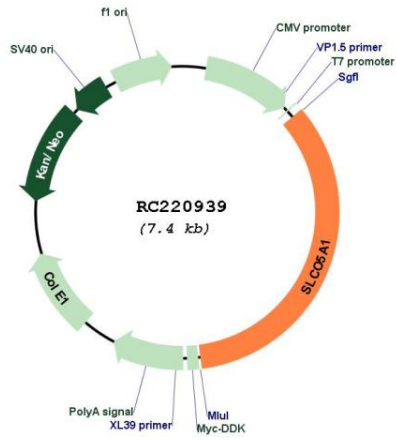
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_030958
ORF Size:	2544 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_030958.3
RefSeq Size:	3692 bp
RefSeq ORF:	2547 bp
Locus ID:	81796
UniProt ID:	Q9H2Y9
Cytogenetics:	8q13.3
Protein Families:	Transmembrane
MW:	91.7 kDa
Gene Summary:	This gene encodes a 12 transmembrane domain protein that is a member of the solute carrier organic anion transporter superfamily. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RC220939