

Product datasheet for **RG224129**

SLCO6A1 (NM_173488) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLCO6A1 (NM_173488) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLCO6A1
Synonyms:	CT48; GST; OATP-I; OATP6A1; OATPY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG224129 representing NM_173488.

Blue=ORF Red=Cloning site Green=Tag(s)

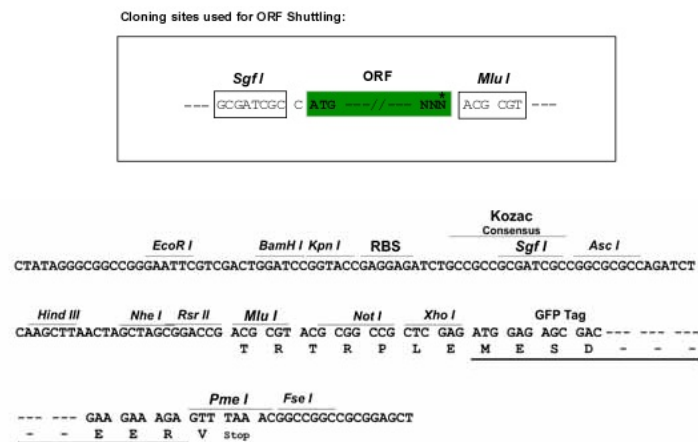
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTTTCGTAGGCGTCGCCCGGCACTCTGGGAGCCAGGATGAAGTCTCAAGGGGAGTAGAGCCGCTGGAG
GCCGCGCGGGCCAGCCTGCTAAGGACAGGAGGCCAAGGGAACCCGAAGTCCTCGAAGCCCGGGAAA
AAACACCGGTATCTGAGACTACTTCCAGAGGCCTTGATAAGGTTTCGGCGGTTTCCGAAAAAGGAAAAA
GCCAAGTCCTCAGTTTCCAAGAAGCCGGGAGAAGTGGATGACAGTTTGGAGCAGCCCTGTGGTTTGGGC
TGCTTAGTCAGCACCTGCTGTGAGTGTGCAATAACATTCGCTGCTTCATGATTTTCTACTGCATCCTG
CTCATATGTCAAGGTGTGGTGTGTTGCTTATAGATGTCAGCATTGGCGATTTTCAGAAGGAATATCAA
CTGAAAACCATTTGAGAAGTTGGCATTGGAAGAGTTACGATATTTCTCTGGCCTGGTAGCAATATTT
ATAGCATTCTATGGAGACAGAAAAAAGTAATATGGTTTGTAGCTTCTCCTTTTAAATAGGACTTGA
TCACTTTTATGTGCTTTTCCATCCATTAATGAAGAAAAAACAAGTAAGGTAGGAATTGAAGATATT
TGCGAAGAAAAAAGGTTGTCAGTGGTTGCCAGAGCAGTGGTATATCATTCCAATCAAAATACCTGTCT
TTCTTCATCCTTGGGCAGACTGTGCAGGGAATAGCAGGAATGCCTCTTTATATCCTTGAATAACCTTT
ATTGATGAGAATGTTGCTACACACTCAGCTGGTATCTATTTAGGTATTGCAGAATGTACATCAATGATT
GGATATGCTCTGGGTATGTGCTAGGAGCACCAGTAAAGTCCCTGAGAATACTACTTCTGCAACA
AACACTACAGTCAATAATGGTAGTCCAGAATGGCTATGGACTTGGTGGATTAATTTTCTTTTGGCGCT
GTCGTTGCATGGTGTACATTAATACCATTGTCTGCTTTCCAAACAATATGCCAGGTTCAACACGGATA
AAAGCTAGGAAACGTAACAGCTTCATTTTTTTGACAGCAGACTTAAAGATCTGAACTTGAACATAAT
ATCAAGGATTTATGTGCTGCTCTTTGGATTCTGATGAAGAATCCAGTGCTCATATGCCTAGCTCTGTCA
AAAGCTACAGAATATTTAGTTATTATTGGAGCTTCTGAATTTTTGCCTATATTTAGAAAATCAGTTT
ATATTAACACCCACTGTGGCAACTACACTTGCAGGACTTGTTTTAATTCCAGGAGGTGCATTGGCCAG
CTTCTGGGAGGTGTCATTGTTTCCACATTAGAAATGTCTTGTAAGCCCTTATGAGATTTATAATGGTT
ACATCTGTGATATCACTTATACTGCTTGTGTTTATTATTTTGTACGCTGAATCCAGTGAATTTGCT
GGGATCAATGAAGATTATGATGGAACAGGGAAGTTGGGAAACCTCACGGCTCCTTGAATGAAAAATGT
AGATGCTCATCTTCAATTTATCTTCTATATGTGAAGAGATGATATTGAATATTTTCTCCCTGCTTT
GCAGGGGTGACATATTCTAAAGCACAAAACCAAAAAAGATGTACTACAATTGTTCTTGCAATTAAGAA
GGATTAATAACTGCAGATGCAGAAGGTGATTTTATTGATGCCAGACCCGGGAAATGTGATGCAAAGTGC
TATAAGTTACCTTTGTTCAATTGCTTTTATCTTTTCTACACTTATATTTTCTGGTTTTTCTGGTGTACCA
ATCGTCTTGGCCATGACGCGGTTGTACCTGACAACTGCCTTCTTGGCCTTGGGTGTAAGCTATGTG
ATTTTGAGAATATTTGGGACTATTCTGGACCATCAATCTTTAAATGTGAGGAGAACTTCTTGTATT
TTACGGGATGTTAATAAATGTGGACACACAGGACGTTGTTGGATATATAACAAGACAAAAATGGCTTTC
TTATTGGTAGGAATATGTTTTCTTTGCAAACTATGCATATCATCTTCACTACTATTGCATTTTTCATA
TACAAACGTCGTCTAAATGAGAACACTGACTTCCAGATGTAAGTGTGAAGAATCCAAAAGTTAAGAAA
AAAGAAGAACTGACTTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG224129
 Blue=ORF Red=Cloning site Green=Tag(s)

MFVGVARHSGSQDEVSRGVEPLEAARAQPAKDRRAKTPKSSKPGKKHRYLRLLPEALIRFGGFRKRKK
 AKSSSVSKKPGEVDDSLQPCGLGCLVSTCCECCNNIRCFMIFYCILLICQGVVFLIDVSIQDFQKEYQ
 LKTIEKLALKESYDISSGLVAIFIAFYGDRKKVWVFASSFLIGLGSLLCAFPSINEENKQSKVGIEDI
 CEEIKVVSQCQSSGISFQSKYLSFFILGQTVQGIAGMPYILGITFIDENVATHSAGIYLGIAECTSMI
 GYALGYVLGAPLVKVPENTTSATNTTVNNGSPEWLWTWWINFLFAAVVAWCTLIPLSCFPNMMPGSTRI
 KARKRQLHFFDSRLKDLKLTNIKDLCAALWILMKNPVLICLALSKATEYLVIIGASEFLPIYLENQF
 ILTPTVATTLAGLVLIPGGALGQLLGGVIVSTLEMSCKALMRFIMVTSVISLILLVFIIFVRCNPVQFA
 GINEDYDGTGKLGNLTAECNEKCRCSIIYSSICGRDDIEYFSPCFAGCTYSKAQNQKKMYNCSCIKE
 GLITADAEGDFIDARPGKCDACYKLPFIATFSTLIFSGFSGVPIVLAAMTRVDPKLRSLALGVSIV
 ILRIFGTIPGPSIFKMSGETSCILRDVNCGHTGRCWIYNKTKMAFLLVGICFLCKLCTIIFTTIAFFI
 YKRRLNENTDFPDVTKNPKVKKKEETDL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAVEHLHPMGDNDLDGSFTRTSLRDGGYSSVVDSHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173488

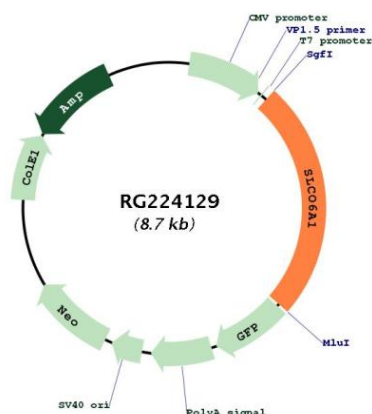
ORF Size: 2157 bp

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:	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:	<u>NM_173488.5</u>
RefSeq Size:	2515 bp
RefSeq ORF:	2160 bp
Locus ID:	133482
UniProt ID:	<u>Q86UG4</u>
Cytogenetics:	5q21.1
Protein Families:	Transmembrane
MW:	79.2 kDa

Product images:



Circular map for RG224129