

Product datasheet for **MG210021**

Slco2b1 (NM_175316) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slco2b1 (NM_175316) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slco2b1
Synonyms:	AI060904; AI852653; OATP-B; Slc21a9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210021 representing NM_175316
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGACAGGAGCACCAAGACCACAATGGGCACAGAAGATATGCATGAAAGGAAAGTCAGTGTGGAGC
 CTCAGGACTCACATCAGGATGCACAGCCCCGGGATGTTCCACAACATCAAGTTCTTTGTCTATGTCA
 CAGTCTACTGCAGCTGACACAGCTCATGATCTCTGGCTACCTCAAGAGCTCCATCTCCACAGTGGAAAAG
 CGCTTTGGGCTGTCCAGCCAGATCTCAGGGCTGTAGTGCTTTCAATGAGGTAGGGAATGTATCCTTGA
 TCTTATTTGTGAGCTATTTGGCAGCCGAGTGCACAGACCCCGGATGATCGGCTATGGGGCTCTCCTGGT
 GGCCACGGCAGGCCTGCTCATGGCACTCCCTCACTTCATCTCAGAACCATACCGCTATGACCACAGCAGC
 TCCGACAATAGGTCAGTGGACTTTGAAGCATCCCTGTGCCTGCCACGACTATGGCTCCAGCCTCTGCC
 TGTCGAATGGCAGCTGTTCCAGTCACACAGAAACCAAGCATCTGACCATGGTGGGATCATGTTCCGAGC
 ACAGACCTGCTTGGCATCGGTGGTGTGCCATACAGCCTTTTGGGATCTCTACATTGACGACTTTGCC
 CACCATAGCAACTCACCCCTCTACATTGGGATCTTGTTTGAATAACCACGATGGGGCTGGCCTGGCCT
 ATGGGCTGGGTAGCCTCATGCTACGCCTTTATGTGGACATTGACCGGATGCCAGAAGGAGGCATCAACT
 GACTCCAAAAGACCCAGATGGGTGGTGCCTGGTGGCTGGGCTTCTCATCTCTTCAGGACTGGTGGTC
 CTGGCTTCCAGCCCTACTTCTTCTTCCCAGAGAGATGCCAAAGGAGAAACATGAGTTTCATTTACGGC
 GGAAGGTCTTGGCAAGTGCAGCCCTCACTGCCAGCAAGGGTGAGGACCTCTCTCCAGCAGCAGAGCCTTT
 AAAGAAACAGGCTGGATTGGCCCAGATTGCCCCAGACTTGACTTTGGTCCAGTTTGTCAAAGTCTTCCCT
 AGGGTGTCTGCGGAACTGCGCCACCCATCTTCTTGGTGGTGTAGTCTGTCCAGGTGTGCACCTCAT
 CCATGGTAGCGGGCATGGCCACCTTCTGCCTAAGTTCTTGGAAACGCCAGTTTTCCATCACAGCCTCCTT
 TGCCAACATGCTCCTTGGCTGCCTCACTATCCCTCTGGTCATCGTGGGCATCATGATGGGAGGTGTCTTA
 GTCGAAGCGCCTCCACCTGAGCCCGGTGCAGTGCAGTGCCTCTGCCTCCTCGGCTCGCTGTTGTGTCTGC
 TCTTCAGCGTGCCGCTCTTCTTCAATTGGCTGCTTACCCATCAAATTGCAGGCATCACACAAGACCTGGG
 TGCCCAGCCAGGGCCAAGCCTGTTTCTGGCTGCTCAGAGCCCTGCTCCTGCCAATCAGATGACTTAAAC
 CCTGTTTGTGATACCAGTGCCTATGTGGAGTACACCACACCTGCCATGCAGGCTGCACAGGTGCTGTGCG
 TCCAGGAGGCTCTGGGAAAAGCCAGGTCTTCTACACCAACTGCAGCTGTGTGGCAGGGAATGGCACTGT
 TCCTGCAGTTTCTGTGAGTGCAGCTGCAGCCGCTGGTGTGCCCTTCTTGTCTGTTACGCCTGGGG
 GCGGGACTGGCCAGCATACCCACACACCTTCTTTCATGCTCATCCTGAGAGGTGTGAAGAAAGAAGATA
 AAACCCTGGCAGTGGGGATGCAGTTCATGCTCCTGAGAGTGTGGCCTGGATGCCAGCCCTGTGATCCA
 TGGCAGTGCCATCGATACCACCTGTGTTCACTGGGCCCTGACCTGTGGGCGGAGAGCTGTCTGCCGCTAC
 TACGACCATGACCTGCTCCGAAACCGATTATAGGCCTCCAGTTCTTCTTCAAAGTGGATCCCTGGTGT
 GCTTTACCTTAGTTTTGGCCATCTTGAGGCAACAGAGCAGAGAGGCCAGCACCAGGACTGTAAGAG
 CTCGGAACATAACAGCTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210021 representing NM_175316
 Red=Cloning site Green=Tags(s)

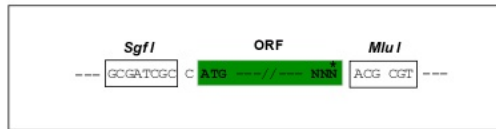
MPDRSTKTTMGTEDMHERKVSVEPQDSHQDAQPRGMFHNKFFVLCHSLQLTQLMISGYLKSSISTVEK
 RFG LSSQISGLLA AFNEVGNVSLILFVSYFGSRVHRPRMIGYGALLVATAGLLMALPHFISEPYRYDHSS
 SDNRSLDFEASLCLPTTMAPASAL SNGSCSSHTETKHL TMVGIMFAAQTL LGIGGVPIQPFGISYIDDF
 HHSNSPLYIGILFGITTMGPG LAYGLGSLMLRL YVDIDRMPEGGINLTPKDPRWVGAWWLGFLISSGLV
 LASSPYFFFPREMPKEKHEFHFRKVLASA ASTASKGEDLSSQHEPLKKQAGLAQIAPDLTLVQFVKVFP
 RVLLRNLRHPIFLLVVL SQVCTSSMVAGMATFLPKFLERQFSITASFANMLLGCLTIPLVIVGIMMGV
 VKRLHLSPVQCSALCLLGSLLCLLFSVPLFFIGCSTHQIAGITQDLGAQPGPSLFPGCSEPCSCQSDDFN
 PVCDSAYVEYTPCHAGCTGRVVQEALGKSQVFYTNCS CVAGNGTVPAGSCESACSRLVLPFIVLFSLG
 AGLASITHTPSFMLILRGVKKEDKTLAVGMQFM LRLVLA WMPSPVIHGSAIDTTCVHWALTCGRRAVCRY
 YDHDLLNRNRFIGLQFFKSGSLVCFTLVLA ILRQQSREASTRTTVKSSELQQL

TRTRPLE - GFP Tag - V

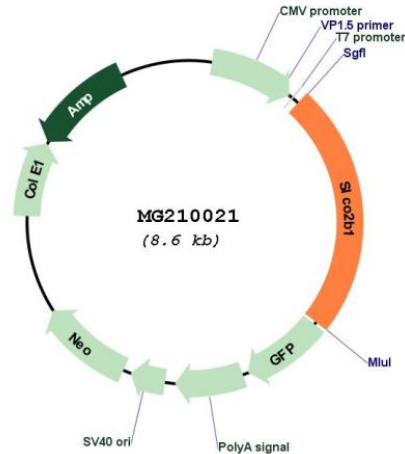
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_175316

ORF Size: 2049 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: [NM_175316.3](#), [NP_780525.1](#)

RefSeq Size: 4381 bp

RefSeq ORF: 2052 bp

Locus ID: 101488

UniProt ID: [Q8BXB6](#)

Cytogenetics: 7 E1

Gene Summary: Mediates the Na(+)-independent transport of organic anions such as taurocholate, the prostaglandins PGD2, PGE1, PGE2, leukotriene C4, thromboxane B2 and iloprost.
[UniProtKB/Swiss-Prot Function]