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# Product datasheet for RC210241L2V

## SLC10A1 (NM_003049) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | SLC10A1 (NM_003049) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | SLC10A1 |
| **Synonyms:** | FHCA2; NTCP |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-mGFP (PS100071) |
| **Tag:** | mGFP |
| **ACCN:** | NM_003049 |
| **ORF Size:** | 1047 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC210241). |
| **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. |
| **RefSeq:** | NM_003049.1 |
| **RefSeq Size:** | 1580 bp |
| **RefSeq ORF:** | 1050 bp |
| **Locus ID:** | 6554 |
| **UniProt ID:** | Q14973 |
| **Cytogenetics:** | 14q24.1 |
| **Domains:** | SBF |
| **Protein Families:** | Druggable Genome, Transmembrane |

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**MW:** 37.9 kDa

**Gene Summary:** The protein encoded by this gene belongs to the sodium/bile acid cotransporter family, which are integral membrane glycoproteins that participate in the enterohepatic circulation of bile acids. Two homologous transporters are involved in the reabsorption of bile acids; the ileal sodium/bile acid cotransporter with an apical cell localization that absorbs bile acids from the intestinal lumen, bile duct and kidney, and the liver-specific sodium/bile acid cotransporter, represented by this protein, that is found in the basolateral membranes of hepatocytes. Bile acids are the catabolic product of cholesterol metabolism, hence this protein is important for cholesterol homeostasis. [provided by RefSeq, Oct 2011]

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