

Product datasheet for **RC221202L2V**

SLC10A2 (NM_000452) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC10A2 (NM_000452) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC10A2
Synonyms:	ASBT; IBAT; ISBT; NTCP2; PBAM
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000452
ORF Size:	1044 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221202).
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_000452.1 , NP_000443.1
RefSeq Size:	3779 bp
RefSeq ORF:	1047 bp
Locus ID:	6555
UniProt ID:	Q12908
Cytogenetics:	13q33.1
Protein Families:	Druggable Genome, Transmembrane
MW:	37.7 kDa



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Gene Summary:

This gene encodes a sodium/bile acid cotransporter. This transporter is the primary mechanism for uptake of intestinal bile acids by apical cells in the distal ileum. Bile acids are the catabolic product of cholesterol metabolism, so this protein is also critical for cholesterol homeostasis. Mutations in this gene cause primary bile acid malabsorption (PBAM); mutations in this gene may also be associated with other diseases of the liver and intestines, such as familial hypertriglyceridemia (FHTG). [provided by RefSeq, Mar 2010]