

Product datasheet for **RC217294L4V**

SLC22A12 (NM_144585) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC22A12 (NM_144585) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC22A12
Synonyms:	OAT4L; RST; URAT1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_144585
ORF Size:	1659 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217294).
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_144585.3
RefSeq Size:	3206 bp
RefSeq ORF:	1662 bp
Locus ID:	116085
UniProt ID:	Q96S37
Cytogenetics:	11q13.1
Protein Families:	Transmembrane
MW:	59.4 kDa



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Gene Summary:

The protein encoded by this gene is a member of the organic anion transporter (OAT) family, and it acts as a urate transporter to regulate urate levels in blood. This protein is an integral membrane protein primarily found in epithelial cells of the proximal tubule of the kidney. An elevated level of serum urate, hyperuricemia, is associated with increased incidences of gout, and mutations in this gene cause renal hypouricemia type 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]