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Product datasheet for RC210187L3V

Serotonin transporter (SLC6A4) (NM_001045) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Serotonin transporter (SLC6A4) (NM_001045) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Serotonin transporter
Synonyms:	5-HTT; 5-HTTLPR; 5HTT; hSERT; HTT; OCD1; SERT; SERT1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001045
ORF Size:	1890 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC210187).`
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_001045.2
RefSeq Size:	2756 bp
RefSeq ORF:	1893 bp
Locus ID:	6532
UniProt ID:	P31645
Cytogenetics:	17q11.2
Domains:	SNF, 5HT_transporter
Protein Families:	Druggable Genome, Transmembrane

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MW: 70.1 kDa

Gene Summary: This gene encodes an integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into presynaptic neurons. The encoded protein terminates the action of serotonin and recycles it in a sodium-dependent manner. This protein is a target of psychomotor stimulants, such as amphetamines and cocaine, and is a member of the sodium:neurotransmitter symporter family. A repeat length polymorphism in the promoter of this gene has been shown to affect the rate of serotonin uptake. There have been conflicting results in the literature about the possible effect, if any, that this polymorphism may play in behavior and depression. [provided by RefSeq, May 2019]