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Product datasheet for RC229948L4V

Somatostatin Receptor 5 (SSTR5) (NM_001172560) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Somatostatin Receptor 5 (SSTR5) (NM_001172560) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Somatostatin Receptor 5
Synonyms:	SS-5-R
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001172560
ORF Size:	1092 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229948).
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_001172560.1, NP_001166031.1
RefSeq ORF:	1095 bp
Locus ID:	6755
UniProt ID:	P35346
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

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MW:	39.7 kDa
Gene Summary:	Somatostatin and its related peptide cortistatin exert multiple biological actions on normal and tumoral tissue targets by interacting with somatostatin receptors (SSTRs). The protein encoded by this gene is one of the SSTRs, which is a multi-pass membrane protein and belongs to the G-protein coupled receptor 1 family. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase, and different regions of this receptor molecule are required for the activation of different signaling pathways. A mutation in this gene results in somatostatin analog resistance. Alternatively spliced transcript variants have been identified in this gene.[provided by RefSeq, Feb 2010]