Product datasheet for RC217921L3V

RSPO1 (NM_001038633) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RSPO1 (NM_001038633) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RSPO1
Synonyms:	CRISTIN3; RSPO
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001038633
ORF Size:	789 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217921).
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_001038633.2
RefSeq Size:	2995 bp
RefSeq ORF:	792 bp
Locus ID:	284654
UniProt ID:	Q2MKA7
Cytogenetics:	1p34.3
Protein Families:	Secreted Protein
MW:	28.8 kDa

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Gene Summary: This gene encodes a secreted activator protein with two cysteine-rich, furin-like domains and one thrombospondin type 1 domain. The encoded protein is a ligand for leucine-rich repeat-containing G-protein coupled receptors (LGR proteins) and positively regulates the Wnt signaling pathway. In mice, the protein induces the rapid onset of crypt cell proliferation and increases intestinal epithelial healing, providing a protective effect against chemotherapy-induced adverse effects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]