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Product datasheet for RC222197L4V

Cortistatin (CORT) (NM_001302) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cortistatin (CORT) (NM_001302) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cortistatin
Synonyms:	CST-14; CST-17; CST-29; SST2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001302
ORF Size:	465 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC222197).`
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_001302.3
RefSeq Size:	1238 bp
RefSeq ORF:	318 bp
Locus ID:	1325
UniProt ID:	O00230
Cytogenetics:	1p36.22
Protein Families:	Druggable Genome, Secreted Protein
MW:	17.2 kDa

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Gene Summary: This gene encodes a neuropeptide that is structurally similar to somatostatin. It binds to all known somatostatin receptors, and shares many pharmacological and functional properties with somatostatin, including the depression of neuronal activity. However, it also has many properties distinct from somatostatin, such as induction of slow-wave sleep, apparently by antagonism of the excitatory effects of acetylcholine on the cortex, reduction of locomotor activity, and activation of cation selective currents not responsive to somatostatin. The preproprotein undergoes further processing into multiple mature products. Read-through transcripts exist between this gene and the upstream APITD1 (apoptosis-inducing, TAF9-like domain 1) gene, as represented in GeneID:100526739. [provided by RefSeq, Nov 2010]