Product datasheet for RC202829L3V

GTSE1 (NM_016426) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GTSE1 (NM_016426) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GTSE1
Synonyms:	B99
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_016426
ORF Size:	2160 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202829).
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_016426.4, NP_057510.2
RefSeq Size:	3128 bp
RefSeq ORF:	2220 bp
Locus ID:	51512
UniProt ID:	Q9NYZ3
Cytogenetics:	22q13.31
Protein Families:	Druggable Genome
Protein Pathways:	p53 signaling pathway

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MW: 76.6 kDa

Gene Summary: The protein encoded by this gene is only expressed in the S and G2 phases of the cell cycle, where it colocalizes with cytoplasmic tubulin and microtubules. In response to DNA damage, the encoded protein accumulates in the nucleus and binds the tumor suppressor protein p53, shuttling it out of the nucleus and repressing its ability to induce apoptosis. [provided by RefSeq, Jul 2008]