

Product datasheet for **RC207192L2V**

FIG4 (NM_014845) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	FIG4 (NM_014845) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FIG4
Synonyms:	ALS11; BTOP; CMT4j; dj249I4.1; KIAA0274; SAC3; YVS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_014845
ORF Size:	2721 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207192).
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_014845.4
RefSeq Size:	3123 bp
RefSeq ORF:	2724 bp
Locus ID:	9896
UniProt ID:	Q92562
Cytogenetics:	6q21
Domains:	Syja_N
MW:	103.6 kDa



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Gene Summary:

The protein encoded by this gene belongs to the SAC domain-containing protein gene family. The SAC domain, approximately 400 amino acids in length and consisting of seven conserved motifs, has been shown to possess phosphoinositide phosphatase activity. The yeast homolog, Sac1p, is involved in the regulation of various phosphoinositides, and affects diverse cellular functions such as actin cytoskeleton organization, Golgi function, and maintenance of vacuole morphology. Membrane-bound phosphoinositides function as signaling molecules and play a key role in vesicle trafficking in eukaryotic cells. Mutations in this gene have been associated with Charcot-Marie-Tooth disease, type 4J. [provided by RefSeq, Jul 2008]