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Product datasheet for SC201967

FIG4 (NM_014845) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FIG4 (NM_014845) Human 3' UTR Clone
Symbol:	FIG4
Synonyms:	ALS11; BTOP; CMT4J; dJ249I4.1; KIAA0274; SAC3; YVS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014845
Insert Size:	191 bp
Insert Sequence:	>SC201967 3'UTR clone of NM_014845 The sequence shown below is from the reference sequence of NM_014845. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGAGAGTACATCAGGAACCGCTACCTGTGAAAAGAGCGCAGGTCCACCTGGTGGACACGTCTGATTAGC TTAGAACCTGTCTTGTCTCATCTTCAAAAGGTAACTTATTAAAAGTCCTTTGCGTCTGAAGCCTTTCTC CTTTTCTGTCACTTGCAAATTCCAAATTATAGCTAATAAAGATGACTAGATAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_014845.6

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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]

Locus ID: 9896

MW: 7.8