

Product datasheet for **RC226485L1V**

Alpha Fodrin (SPTAN1) (NM_001130438) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Alpha Fodrin (SPTAN1) (NM_001130438) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Alpha Fodrin
Synonyms:	DEE5; EIEE5; NEAS; SPTA2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001130438
ORF Size:	7431 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC226485).
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_001130438.2 , NP_001123910.1
RefSeq Size:	7907 bp
RefSeq ORF:	7434 bp
Locus ID:	6709
UniProt ID:	Q13813
Cytogenetics:	9q34.11
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction



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MW: 285.5 kDa

Gene Summary: Spectrins are a family of filamentous cytoskeletal proteins that function as essential scaffold proteins that stabilize the plasma membrane and organize intracellular organelles. Spectrins are composed of alpha and beta dimers that associate to form tetramers linked in a head-to-head arrangement. This gene encodes an alpha spectrin that is specifically expressed in nonerythrocytic cells. The encoded protein has been implicated in other cellular functions including DNA repair and cell cycle regulation. Mutations in this gene are the cause of early infantile epileptic encephalopathy-5. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2010]