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Product datasheet for RC218819L4V

Dynamin 1 (DNM1) (NM_004408) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dynamin 1 (DNM1) (NM_004408) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Dynamin 1
Synonyms:	DEE31; DNM; EIEE31
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004408
ORF Size:	2592 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218819).
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_004408.2
RefSeq Size:	3216 bp
RefSeq ORF:	2595 bp
Locus ID:	1759
UniProt ID:	Q05193
Cytogenetics:	9q34.11
Domains:	dynamin_2, dynamin, PH, GED
Protein Families:	Druggable Genome

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Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis

MW: 97.2 kDa

Gene Summary: This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3' region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]