

Product datasheet for **RC208525L4V**

Dynamin 2 (DNM2) (NM_004945) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dynamin 2 (DNM2) (NM_004945) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Dynamin 2
Synonyms:	CMT2M; CMTDI1; CMTDIB; DI-CMTB; DYN2; DYNII; LCCS5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004945
ORF Size:	2598 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208525).
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_004945.2
RefSeq Size:	3672 bp
RefSeq ORF:	2601 bp
Locus ID:	1785
UniProt ID:	P50570
Cytogenetics:	19p13.2
Domains:	dynamin_2, dynamin, PH, GED
Protein Families:	Transcription Factors



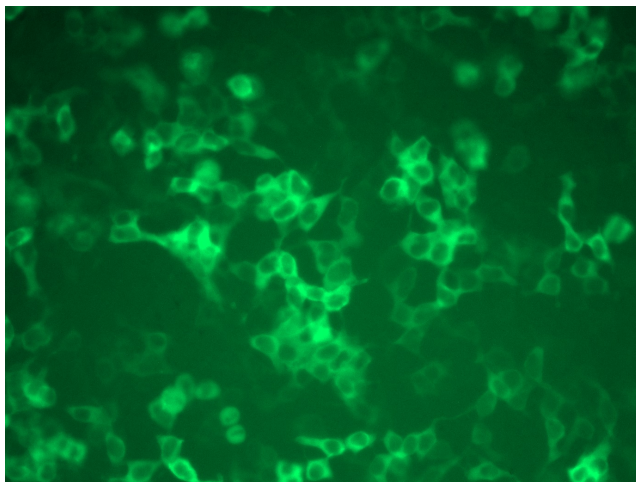
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Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis

MW: 97.7 kDa

Gene Summary: Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Five alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined. [provided by RefSeq, Jun 2010]

Product images:



[RC208525L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208525L4V particle to overexpress human DN2M2-mGFP fusion protein.