

Product datasheet for **RC229441L2V**

FGD5 (NM_152536) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	FGD5 (NM_152536) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FGD5
Synonyms:	ZFYVE23
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_152536
ORF Size:	4386 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229441).
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_152536.3
RefSeq ORF:	4389 bp
Locus ID:	152273
UniProt ID:	Q6ZNL6
Cytogenetics:	3p25.1
Domains:	RhoGEF, FYVE, PH
MW:	159.7 kDa



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Gene Summary:

Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Mediates VEGF-induced CDC42 activation. May regulate proangiogenic action of VEGF in vascular endothelial cells, including network formation, directional movement and proliferation. May play a role in regulating the actin cytoskeleton and cell shape.[UniProtKB/Swiss-Prot Function]