

Product datasheet for **MR216700L3V**

Fgd2 (NM_001159538) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Fgd2 (NM_001159538) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fgd2
Synonyms:	Tcd-2; Tcd2; tcs-2; tcs2; ZFYVE4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001159538
ORF Size:	1968 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216700).
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_001159538.1 , NP_001153010.1
RefSeq Size:	2634 bp
RefSeq ORF:	1971 bp
Locus ID:	26382
UniProt ID:	Q8BY35
Cytogenetics:	17 A3.3



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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. Activates JNK1 via CDC42 but not RAC1. Binds to phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate.[UniProtKB/Swiss-Prot Function]