

Product datasheet for MR216700L4

Fgd2 (NM_001159538) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fgd2 (NM_001159538) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Fgd2

Synonyms: Tcd-2; Tcd2; tcs-2; tcs2; ZFYVE4

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR216700).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001159538

ORF Size: 1968 bp



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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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001159538.1</u>, <u>NP 001153010.1</u>

RefSeq Size: 2634 bp
RefSeq ORF: 1971 bp
Locus ID: 26382
UniProt ID: Q8BY35
Cytogenetics: 17 A3.3

Gene Summary: Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging

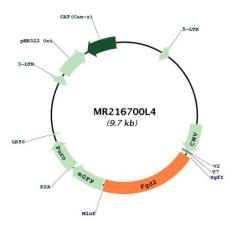
bound GDP for free GTP. Activates JNK1 via CDC42 but not RAC1. Binds to

phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and

phosphatidylinositol 3-monophosphate.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR216700L4