

Product datasheet for MR211315L3

Fgd1 (NM_008001) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fgd1 (NM_008001) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Fgd1

Synonyms: ZFYVE; ZFYVE3

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

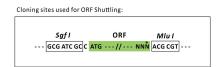
E. coli Selection: Chloramphenicol (34 ug/mL)

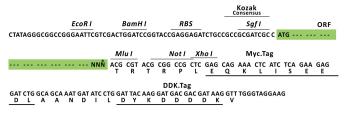
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR211315).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_008001

ORF Size: 2880 bp



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Fgd1 (NM_008001) Mouse Tagged Lenti ORF Clone - MR211315L3

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.

X 68.46 cM

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: NM 008001.4, NP 032027.2

 RefSeq Size:
 3516 bp

 RefSeq ORF:
 2883 bp

 Locus ID:
 14163

 UniProt ID:
 P52734

Cytogenetics:

Gene Summary: This gene encodes a member of family of Rho-specific guanine nucleotide exchange factors.

Rho-specific guanine nucleotide exchange factors catalyze the exchange of GDP for GTP and activate small GTPases, which function as molecular switches in signaling. This protein

specifically binds cell division cycle 42, a Rho (Ras homology) GTPase. Investigations in mouse suggest that this protein is important for skeletal mineralization and for regulating the actin cytoskeleton. In humans, mutations in this gene are associated with faciogenital dysplasia,

also known as Aarskog-Scott syndrome. [provided by RefSeq, Mar 2014]