

Product datasheet for RR208987L4

Emd (NM_012948) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Emd (NM_012948) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Emd

Mammalian Cell Puromycin

Selection:

Vector:

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

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

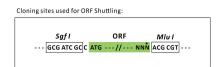
ORF Nucleotide The ORF insert of this clone is exactly the same as(RR208987).

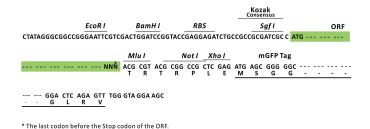
Sequence:

ACCN:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





NM_012948

ORF Size: 780 bp



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Emd (NM_012948) Rat Tagged Lenti ORF Clone - RR208987L4

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 012948.1, NP 037080.1</u>

 RefSeq Size:
 1274 bp

 RefSeq ORF:
 783 bp

 Locus ID:
 25437

 UniProt ID:
 Q63190

Cytogenetics: Xq37

Gene Summary: Stabilizes and promotes the formation of a nuclear actin cortical network. Stimulates actin

polymerization in vitro by binding and stabilizing the pointed end of growing filaments. Inhibits beta-catenin activity by preventing its accumulation in the nucleus. Acts by influencing the nuclear accumulation of beta-catenin through a CRM1-dependent export pathway. Links centrosomes to the nuclear envelope via a microtubule association. Required for proper localization of non-farnesylated prelamin-A/C (By similarity).[UniProtKB/Swiss-Prot

Function]