

Product datasheet for RC206193L2

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ZFYVE27 (NM_144588) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ZFYVE27 (NM_144588) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: ZFYVE27

Synonyms: PROTRUDIN; SPG33

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

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

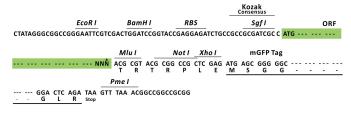
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206193).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_144588

ORF Size: 1233 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 144588.4</u>

 RefSeq Size:
 3059 bp

 RefSeq ORF:
 1236 bp

 Locus ID:
 118813

 UniProt ID:
 Q5T4F4

 Cytogenetics:
 10q24.2

Protein Families: Transmembrane

FYVE

MW: 45.8 kDa

Domains:

Gene Summary: This gene encodes a protein with several transmembrane domains, a Rab11-binding domain

and a lipid-binding FYVE finger domain. The encoded protein appears to promote neurite formation. A mutation in this gene has been reported to be associated with hereditary spastic

paraplegia, however the pathogenicity of the mutation, which may simply represent a

polymorphism, is unclear. [provided by RefSeq, Mar 2010]