

Product datasheet for RC211584L4

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OriGene Technologies, Inc.

EPB42 (NM_000119) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: EPB42 (NM_000119) Human Tagged Lenti ORF Clone

Tag: mGFP
Symbol: EPB42
Synonyms: PA; SPH5

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(RC211584).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_000119

ORF Size: 2163 bp





EPB42 (NM_000119) Human Tagged Lenti ORF Clone - RC211584L4

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 000119.1</u>

 RefSeq Size:
 2697 bp

 RefSeq ORF:
 2166 bp

 Locus ID:
 2038

 UniProt ID:
 P16452

Domains: Transglutamin C, TGc

15q15.2

Protein Families: Druggable Genome

MW: 79.7 kDa

Cytogenetics:

Gene Summary: Erythrocyte membrane protein band 4.2 is an ATP-binding protein which may regulate the

association of protein 3 with ankyrin. It probably has a role in erythrocyte shape and mechanical property regulation. Mutations in the EPB42 gene are associated with recessive

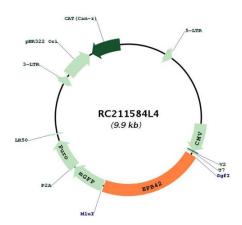
spherocytic elliptocytosis and recessively transmitted hereditary hemolytic anemia.

Alternatively spliced transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC211584L4