

Product datasheet for RC213652L3

OriGene Technologies, Inc.

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Epsin 2 (EPN2) (NM_014964) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Epsin 2 (EPN2) (NM_014964) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:Epsin 2Synonyms:EHB21

Mammalian Cell Puromycin

Selection:

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

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

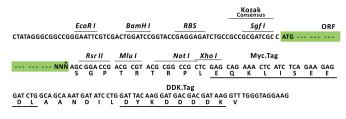
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC213652).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_014964

ORF Size: 1923 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 014964.3</u>, <u>NP 055779.1</u>

RefSeq Size: 4814 bp
RefSeq ORF: 1926 bp
Locus ID: 22905

 UniProt ID:
 O95208

 Cytogenetics:
 17p11.2

Domains: ENTH, UIM

Protein Pathways: Endocytosis

MW: 68.3 kDa

Gene Summary: This gene encodes a protein which interacts with clathrin and adaptor-related protein

complex 2, alpha 1 subunit. The protein is found in a brain-derived clathrin-coated vesicle fraction and localizes to the peri-Golgi region and the cell periphery. The protein is thought to

be involved in clathrin-mediated endocytosis. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]