

## Product datasheet for RC226779L3

#### OriGene Technologies, Inc.

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## EB2 (MAPRE2) (NM 001143827) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: EB2 (MAPRE2) (NM\_001143827) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: EB2

Synonyms: CSCSC2; EB1; EB2; RP1

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(RC226779).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_001143827

ORF Size: 945 bp





### EB2 (MAPRE2) (NM\_001143827) Human Tagged Lenti ORF Clone - RC226779L3

**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 001143827.1</u>

 RefSeq ORF:
 948 bp

 Locus ID:
 10982

 UniProt ID:
 Q15555

**Cytogenetics:** 18q12.1-q12.2

**Protein Families:** Druggable Genome

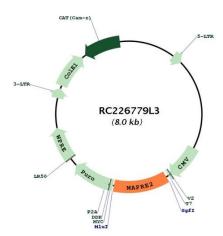
MW: 35.6 kDa

**Gene Summary:** The protein encoded by this gene shares significant homology to the adenomatous polyposis

coli (APC) protein-binding EB1 gene family. This protein is a microtubule-associated protein that is necessary for spindle symmetry during mitosis. It is thought to play a role in the tumorigenesis of colorectal cancers and the proliferative control of normal cells. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]



# **Product images:**



Circular map for RC226779L3