

Product datasheet for **RC227977**

EPB4IL2 (EPB41L2) (NM_001135555) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB4IL2 (EPB41L2) (NM_001135555) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EPB4IL2
Synonyms:	4.1-G; 4.1G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227977 representing NM_001135555
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTACTGAAGTAGGCTCTGTGTCTGAAGTGAAGAAGGACTCTAGCCAGTTAGGAACAGATGCAACCA
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ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC227977 representing NM_001135555
 Red=Cloning site Green=Tags(s)

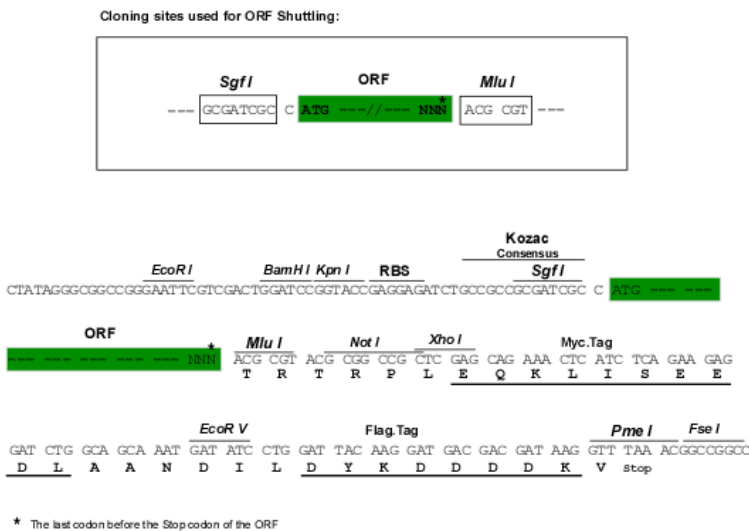
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 QSLMKDFPGAAGEISAYGPLVSI AVVQDGDGRREVRSP TKAPHLQLIEGKT VKGGISETRIEKRIVITG
 DGDIDHDQALAQAI REAREQHPDMSVTRVVVHKETELAEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8072_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135555

ORF Size: 2019 bp

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: [NM_001135555.3](#), [NP_001129027.1](#)

RefSeq Size: 3486 bp

RefSeq ORF: 2022 bp

Locus ID: 2037

UniProt ID: [O43491](#)

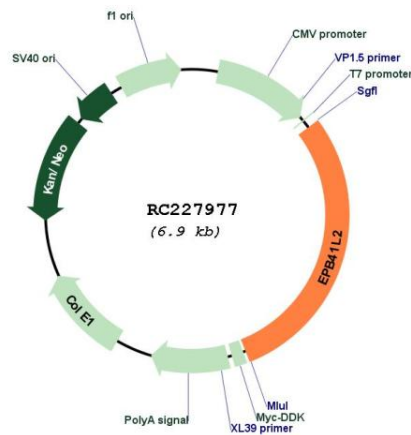
Cytogenetics: 6q23.1-q23.2

Protein Pathways: Tight junction

MW: 76.1 kDa

Gene Summary: Required for dynein-dynactin complex and NUMA1 recruitment at the mitotic cell cortex during anaphase (PubMed:23870127).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227977