

Product datasheet for **RC234967**

EPB4IL2 (EPB41L2) (NM_001199389) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | EPB4IL2 (EPB41L2) (NM_001199389) 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:

>RC234967 representing NM_001199389
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTACTGAAGTAGGCTCTGTGTCTGAAGTGAAGAAGGACTCTAGCCAGTTAGGAACAGATGCAACCA
 AGGAAAAACCTAAAGAAGTAGCAGAAAAATCAGCAGAATCAGTCTTCCGATCCAGAGGAGGAAAAAGTTCC
 CCAGCCACCTCCTGCAGCTGAAAGCCAAAGTAGTCTACGCCGCCAGAAGAGAGAGAAAGGAAACATCGGAG
 AGCAGGGGTATTTCTCGTTTCATACCGCCATGGCTTAAGAAGCAAAAGTCATATACCTTAGTAGTGGCCA
 AAGATGGAGGAGATAAAAAAGAGCTACCCAAGCTGTTGTTGAAGAACAGGTCTTAGATAAAGAGGAACC
 CCTTCCAGAAGAACAGAGACAGGCTAAGGGTGTGCTGAAGAAATGGCTCAGAAGAAACAAGAGATTAAA
 GTTGAAGTCAAGGAAGAAAAACCTCAGTGAGCAAGGAAGAAAAACCTCAGTGAGCAAAGTGGAGATGC
 AGCCTACTGAATTAGTAAGTAAAGAGAGAGAAGAGAAGGTAAGAAACACAGGAAGACAAATTAGAAGG
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 GTCACCAAGAAGACCAAAACTGTCCAGTGTAAAGTGACCTCTTAGATGGCACCGAATACAGCTGTGACC
 TGGAGAAACATGCCAAGGGACAAGTGTATTGACAAAGTGTGTGAACACCTCAATCTCTTGGAGAAAGA
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 AGACAACCTGAGAAACCTTCCATGGCTATTCACCTTTAATGTGAAGTTTTATCCTCCTGATCCTTCTCAAT
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 TGCAAAGAGGCTTCCATGTATGGTGTGACCTACATCATGCCAAGGACTCAGAAGGTGTGGACATCAAG
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 CATCATACTTTCTACAGGCTTGTTCCTCAGAGCAGCCACCAAAAGCCAAGTTCTGACCTTGGGGTCCA
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 ACCTTTGAGCGCACTTCTAGTAAACGGGTCTCCAGGAGTCTAGATGGAGCTCCGATTGGTGTGATGGAC
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 TTGCCGTGGTACAAGATGGGGACGGCAGGAGGGAAGTGAAGGCCAACTAAAGCCACATTTGACGCT
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 GTGGAATTTCTGAAACAAGAATTGAGAAACGCATTGTGATCACAGGAGATGGAGATATTGATCATGACCA
 GGCCTGGCTCAGGCGATCAGGGAAGCCAGAGAGCAGCACCTGACATGTCGGTCAACAAGAGTGGTGGTA
 CACAAAGAACAGAGTTGGCTGAGGAAGGGGAAGAT

ACCGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234967 representing NM_001199389
 Red=Cloning site Green=Tags(s)

MTTEVGSVSEVKKDSSQLGTDATKEPKPEVAENQQNQSSDPEEEKGSQPPPAESQSSLRQKREKETSE
 SRGISRFIPPWLKKQSYTLVVAKDGGDKKEPTQAVVEEQVLDKEEPLPEEQRAKGDAAEEMAQKKQEI
 VEVKKEKPSVSKEEKPSVSKVEMQPTLVSKEREKVKETQEDKLEGGAAKRETEVQTNELKAEKASQK
 VTKKTKTVQCKVTLDDGTEYSCDLEKHAKGOVLFDKVCEHLNLEKDYFGLLFQESPEQKNWLDPAKEIK
 RQLRNLPWLFTFNVKFYPPDPSQLTEDITRYFLCLQLRQDIASGRLPSCFVTHALLGSYTLQAEELG
 YDPEEHGSIDLSEFQFAPTQTKLEEKVAELHKTHRGLSPAQADSQFLENAKRLSMYGVDLHHAKDSE
 GVDIKLGVCANGLLIYKDRLRINRFAWPKILKISYKRSNFYIKVRPAELEQFESTIGFKLPNHRAAK
 RLWKVCVEHHTFYRLVSPQPPKAKFLTLSKFRYSGRTQAQTRQASTLIDRPAPHFERTSSKRV
 SRSLDGAPIGVMDQSLMKDFPGAAGEISAYGPGLVSIAVVQDGDGRREVRSPTKAPHLQLIEGK
 SSHTLNIVEEKKRAEVGKDERVITEEMNGKEISPGSGPGEIRKVEPVTKDSTLSSESSSSSE
 SEEDVGEYRPHHRVTEGTIREEQEYEEVEEPRPAAKPPVVKTEMVTISDASQRT
 EISTKEVPIVQTETKTITYESPOIDGGAGGDSGTLTAQTITSESVSTTTTTHITKTVKGGI
 SETRIEKRIVITGDGDIDHDQALAQAIAREAREQHPDMSVTRVVVHKETELAEEGED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

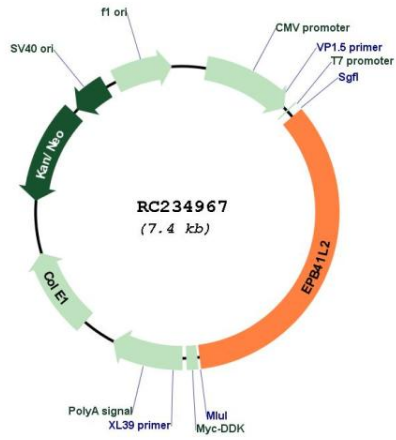
Sgfl-MluI

Cloning Scheme:



| | |
|-------------------------------|---|
| ACCN: | NM_001199389 |
| ORF Size: | 2556 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: | <ol style="list-style-type: none">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_001199389.1 , NP_001186318.1 |
| RefSeq Size: | 4051 bp |
| RefSeq ORF: | 2558 bp |
| Locus ID: | 2037 |
| Cytogenetics: | 6q23.1-q23.2 |
| Protein Pathways: | Tight junction |
| MW: | 96 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 RC234967