

Product datasheet for **RC239492**

EPB41L3 (NM_001281535) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB41L3 (NM_001281535) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EPB41L3
Synonyms:	4.1B; DAL-1; DAL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC239492 representing NM_001281535
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGTGCAAAGTGATACTTCTCGATGGATCAGAATATACCTGTGATGTAGAGAAACGCTCCAGAGGAC
AAGTGCTGTTTGATAAAGTGTGTGAACACTTGAACCTTGCTAGAGAAAGACTACTTTGGGCTTACGTATCG
AGATGCTGAAAACCAGAAGAATTGGTTGGACCCTGCTAAGGAAATAAAAAACAGGTTTCCGAGTGGTGCT
TGGCACTTTTCATTTAATGTGAAATTTTATCCACCAGACCCTGCCCAACTATCTGAAGATATCACCAGGT
ACTACCTCTGCTTGCAGTTGCGAGATGACATCGTGTCCGGAAGGCTGCCCTGCTCCTTTGTTACCCTGGC
CTTGCTGGGCTCCTACACTGTCCAGTCCAGTCCGAGACTATGACCCAGATGAATGTGGGAGCGATTAC
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GCCACAGAGGAATGACGCCAGCAGAAGCAGAGATGCATTTCTTGAAAAATGCCAAAAATATCAATGTA
TGGGGTAGATTTACATCATGCTAAGGACTCAGAAGGGGTAGAAATATGTTAGGAGTTTGTGCAAGTGGT
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AACGGAACAACTTTTACATTAAGATCCGGCCGGGAGAGTTTGAACAATTTGAAAGCACCATTGGGTTTAA
GCTGCCAAACCATCGAGCTGCCAAGCGTTTATGGAAAGTATGTGTTGAGCATCATACATTTTTCAGACTA
CTGTTACCAGAAGCACCTCCCAAGAAATTCCTAACCTTGGGTTCCAAGTTTCGTTATAGTGGCAGGACAC
AAGCGCAAACGAGAAGAGCCAGTGCCTTATAGATCGCCAGCACCTTACTTTGAACGCTCATCCAGCAA
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TCTATGTCTGCTGCAGAGGTTGGTACTGGCCAGTACGCCACAACAAAAGGCATCTCTCAGACCAACTTGA
TCACCACGTGACTCCGGAGAAGAAGGCTGAGGAGGAGCGGGACGAGGAAGAGGACAAACGGAGGAAGGG
GGAAGAAGTACGCCCATCTCGGCCATCCGGCAGGAGGAAAGACTGACAGTGAGCGCACGGACACCGCA
GCCGACGGGAGACCCTGCCACTGAGGAGCTAGAAAAAACTCAAGATGACCTGATGAAACATCAAACCA
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CCTGAAGAGAAAATGAAAACCAAGACGGAGTCCAGTGAATAGAGACGGAACCCACCGTGCACCACCTGC
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GGATGCTTCTTACTCGGCGGGAGACAGCGGGGATGCTGCAGCACAGCCCGCATTACAGGCATTAAGGG
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TCACCGGGAGGAGTAAAGCTAGAAATTTCCACGAAGGAAGTGCAGTAGTTACACCCGAAACCAAAACCA
TCACATATGAATCATCACAGGTCGATCCAGGCACAGATCTGGAGCCAGGCGTGTGATGAGTGCACAGAC
GATCACATCTGAAACCACAGTACCACCACCACTACGCACATCACAAAACCTGTGAAAGGGGGCATTTC
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AGGCAATTAAGAGGCCAAAGAGCAGCACCTGACATGTCAAGTACCAAAAGTGTGGTCCATAAAGAGAC
AGAGATCACACCAGAAGATGGAGAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239492 representing NM_001281535
 Red=Cloning site Green=Tags(s)

MQCKVILLDGSEYTC DVEKRSRQVLFDKVCEHLNLEKDYFGLTYRDAENQKNWLDPAKEIKKQVRS
 WHFSFNVKFYPPDPAQLSEDI TRYYLCLQLRDDIVSGLPCSFVTLALLGSYTVQSELGDYDPDECGSDY
 ISEFRFAPNHTKELEDKVIELHKSHRGMTPAEAEMHFL ENAKKLSMYGVDLHAKDSEGVEIMLGVCASG
 LLIYRDRLRINRFAWPKVLKISYKRNNFYIKIRPGEFEQFESTIGFKLPNHRAAKRLWKVCVEHHTFFRL
 LLPEAPPKFLTLGSKFRYSGRTQAQTRRASALIDRPAPYFERSSSKRYTMSRSLDGASV NENHEIYMKD
 SMSAAEVGTGQYATTKGISQTNLITTVTPEKKAEEERDEEEDKRRKGEEVTPISAIRHEGKTDSERTDTA
 ADGETTATEELEKTQDDL MKHQTNISELKRTFLETSTDTAVTNEW EKRLSTSPVRLAARQEDAPMIEPLV
 PEEKMETKTESSGIETPTVHHLPLSTEKVVQETVLVEERRVVHASGDASYSAGDSGDAAPAF TGIKG
 KEGSALTEGAKEEGGEEVAKAVLEQEETAASRERQEEQSAAIHISETLEQKPHFESSTVKTETISFGSV
 SPGGVKLEISTKEVPVVHTETKTITYESSQVDPGTDLEPGV LMSAQITITSETTSTTTTTTHITKTVKGGIS
 ETRIEKRIVITGDADIDHDQALAQAIKEAKEQHPDMSVTKVVVHKETEITPEDGED

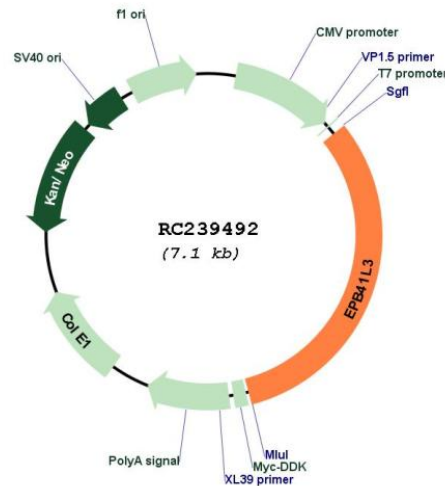
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001281535

ORF Size: 2268 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_001281535.1](#), [NP_001268464.1](#)

RefSeq Size: 3912 bp

RefSeq ORF: 2271 bp

Locus ID: 23136

UniProt ID: [Q9Y2J2](#)
Cytogenetics: 18p11.31
Protein Pathways: Tight junction
MW: 85.2 kDa
Gene Summary: Tumor suppressor that inhibits cell proliferation and promotes apoptosis. Modulates the activity of protein arginine N-methyltransferases, including PRMT3 and PRMT5.
[UniProtKB/Swiss-Prot Function]