

Product datasheet for **SC337386**

EPB41L3 (NM_001281535) Human Untagged Clone

Product data:

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



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001281535, the custom clone sequence may differ by one or more nucleotides

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ATGCAGTGC AAAAGTGATACTTCTCGATGGATCAGAATATACCTGTGATGTAGAGAAACGCTCCAGAGGAC
AAGTGCTGTTTGATAAAAGTGTGTAACACTTGAACCTTGCTAGAGAAAGACTACTTTGGGCTTACGTATCG
AGATGCTGAAAAC CAGAAGAATTGGTTGGACCCTGCTAAGGAAA TAAAAAACAGGTT CGAAGTGGTGCT
TGGCACTTTTCATTTAATGTGAAATTTTATCCACCAGACCCTGCCCAACTATCTGAAGATATCACCAGGT
ACTACCTCTGCTTGCAGTTGCGAGATGACATCGTGTCCGGAAGGCTGCCCTGCTCCTTTGTTACCCTGGC
CTTGCTGGGCTCTACACTGTCCAGT CAGAGCTCGGAGACTATGACCCAGATGAATGTGGGAGCGATTAC
ATTAGTGAGTTCGCTTTGCACCAAAACCACACTAAAGAACTGGAAGACAAAGTGATCGAGCTGCACAAGA
GCCACAGAGGAATGACGCCAGCAGAAGCAGAGATGCATTTCTTGGAAAATGCCAAAAATATCAATGTA
TGGGGTAGATTTACATCATGCTAAGGACTCAGAAGGGGTAGAAAATATGTTAGGAGTTTGTGCAAGTGGT
CTGTTGATATATCGCGACCGGCTGCGAATAAACAGATTTGCTGGCCCAAGGTTCTAAAGATTTTCATACA
AACGGAACAAC TTTTACATTAAGATCCGGCCGGGAGAGTTTGAACAATTTGAAAGCACCATTGGGTTTAA
GCTGCCAAACCATCGAGCTGCCAAGCGTTTATGGAAAAGTATGTGTTGAGCATCATACATTTTTCAGACTA
CTGTTACCAGAAGCACCTCCCAAGAAATTCCTAACCTTGGGTTCCAAGTTTCGTTATAGTGGCAGGACAC
AAGCGCAAACGAGAAGAGCCAGTGC GTTGTAGATCGCCACGACCTTACTTTGAACGCTCATCCAGCAA
ACGTTATACCATGTCTCGCAGCTTGGATGGAGCATCAGTGAATGAAAACCATGAAATATACATGAAGGAT
TCTATGTCTGCTGCAGAGGTTGGTACTGGCCAGTACGCCACAACAAAAGGCATCTCTCAGACCAACTTGA
TCACCACTGTGACTCCGGAGAAGAAGGCTGAGGAGGAGCGGGACGAGGAAGAGGACAAACGGAGGAAGGG
GGAAGAAGT CACGCCATCTCGCCATCCGGCAGAGGGAAAGACTGACAGTGAGCGCACGGACACCGCA
GCCGACGGGGAGACC ACTGCCACTGAGGAGCTAGAAAAAACTCAAGATGACCTGATGAAACATCAAACCA
ACATTAGCGAGCTGAAAAGAACCTTCTTAGAAAACCTCAACAGACACTGCCGTAACGAATGAATGGGAGAA
GAGGCTTTCCACCTCCCCCGTGC GACTGGCCGCCAGGCAGGAGGATGCCCCCATGATCGAACCACTTGTC
CCTGAAGAGAAAA TGAAACCAAGACGGAGTCCAGTGGAA TAGAGACGGAACCCACCGTGCACCACCTGC
CGCTTAGCACTGAGAAGGTGGTGCAGGAGACCGTGTGGTGGAGGAGCGGCGTGTGGTGCACGCGAGTGG
GGATGCTTCTTACTCGGCGGGAGACAGCGGGGATGCTGCAGCACAGCCCGCATTACAGGCATTAAGGG
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AACAGGAAGAGACAGCCGCTGCTCCCGTGAGCGACAAGAGGAGCAGAGTGCAGCCATCCACATTTCAGA
AACTTTGGAACAAAAACCTCATTTT GAGTCTCAACGGTGAAGACGGAACCATCAGTTTGGCAGTGTT
TCACCGGAGGAGTAAAGCTAGAAATTTCCACGAAGGAAGTGCCAGTAGTTCACACCGAAACCAAACCA
TCACATATGAATCATCACAGGTCGATCCAGGCACAGATCTGGAGCCAGGCGTGCTGATGAGTGCACAGAC
GATCACATCTGAAACCACCACTACCACCACACTACGCACATCACCAAAACCTGTGAAAGGGGGCATTTC A
GAGACAAGAAATTGAGAAGCGAATAGTCATCACGGGGGATGCAGACATTGACCATGACCAGGCGCTGGCTC
AGGCAATTAAGAGGCCAAAGAGCAGCACCTGACATGTCAGTGACCAAAGTAGTGGTCCATAAAGAGAC
AGAGATCACACCAAGAAGATGGAGAGGAT TGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001281535

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

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]

Transcript Variant: This variant (4) uses an alternate promoter, differs in the 5' UTR, initiates translation from an in-frame downstream start codon, uses an alternate in-frame acceptor splice site at an internal exon, and lacks 3 non-consecutive in-frame coding exons compared to variant 1. The resulting isoform (4) is shorter compared to isoform 1.