

## Product datasheet for **MC222679**

### **Epb41I3 (NM\_013813) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Epb41I3 (NM_013813) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Epb41I3
Synonyms:	4.1B; Dal1; DAL1P; Epb4.1I3; NBL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222679 representing NM\_013813  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACGACCGAATCAGGATCAGACTCAGAATCGAAGCCAGACCAGGAGGCTGAGCCCCAGGAGGCAGCAG  
 GGCTCAGGGGCAAGCAGGGGCACAGCCTGGACCAGAGCCTGCAGGTGGAACCGCAGCCTCAACGGAGA  
 GAAGCAGCAGCCGGCCCTAGAGCAGTTCCTCGAAGCCGCTGCACACAGCACCCAGTGAAGAGGGAGATC  
 GGTGACAAAGACCGGGACTTTGCTGCTGCAGCTGCGAAACAGCTTGAATATCAGCAGTTTGGAGCAGATA  
 AGCTCTCTCAGAGATCATCCAGCAGAACTCTCACGGTCCCCGCTGAAGATCGTAAAAGGCTAAAAG  
 CATGCAGTGCAAAGTGACGCTTCTGGATGGGTGAGTACGGCTGCGATGTGGACAAGCGCTCCCGAGGA  
 CAAGTGCTCTTTGACAAAGTGCGAACATCTGAACCTGTAGAAAAAGACTACTTTGGCCTCACGTATC  
 GAGACGCAGAGAATCAGAAGAACTGGTTGGACCCTGCTAAGGAAATTAAGAAAGCAGATTCGGAGCGGTGC  
 TTGGCATTTTTCAATTAATGTGAAGTTTACCACAGACCTGCCAGCTATCAGAAGATACACCAGG  
 TACTACCTCTGCTTGCAGCTGCGAGATGATATTGTGTCTGGACGGCTACCTGTTCTTCGTGACTCTTG  
 CCCTGCTGGGCTCCTACACGGTGCAGTCAAGCTCGGGGACTACGATCCCGATGAATGTGGGAATGACTA  
 CATCAGTGAGTTCGGCTTTGCGCCAAACCACACGAAAGAACTGGAGGATAAAGTGATTGAGCTGCACAAG  
 AGCCACAGAGGAATGACGCCAGCTGAAGCCGAGATGCACTTCCTCGAAAAAGCTCCCATGT  
 ACGGGGTGGACTTACACCATGCCAAGGATTCGGAAGGAGTGGAGATTATGTTAGGAGTCTGTGCCAGTGG  
 TCTGTTGATATATCGTGACCGGCTTCAATAAACAGATTTGCTTGGCCGAAGGCTTAAAAATTTCTTAT  
 AAACGGAACAACTTTTACATTAATCCGGCCAGGAGAGTTTGAACAATTTGAAAGCACCATTGGGTTCA  
 AGTTGCCAAACCATAGGGCTGCCAAGCGCCTCTGGAAAGTGTGTGGAGCATCATACATTTTTCAGATT  
 ATTGCTACCAGAAGCACCTCCAAGAAATTTCTGACCTTGGGCTCCAAGTTCCGCTACAGTGGCAGAACCC  
 CAGGCGCAAAACAAGAAGGCCAGTGCCTTATAGACCGCCCGGCCCTTACTTTGAACGCTCGTCCAGCA  
 AACGATACACCATGTCTCGCAGCTTGGATGGAGCGTCAGTGAAGTGAACCATGAAATATACATGAAGGA  
 TTCTGTGTCTGCTGCAGAGGTTGGTACAGGCCAGTACGCCACAACAAGGGCATCTCTCAGACCACTTG  
 ATCACCCTGTGACTCCAGAGAAAAAGGCTGAAGAGGAGCGCTGGAGGAAGAAGACAGAAGGAAGAAGG  
 CTGAGGAAGCCACACCTGTACAGCCCTCCGGCACGAGGAAAGACTGACAGTGAACGGACAGACACTGC  
 AGCTGATGGAGAGACCAGTGCACGGAGTCCGACCAGGAGGAAGATGCAGAGATCAAGGCACAGGATCTA  
 GATAAACTCAAGATGAGCTGATGAAGCACCACCAATATTAGTGAGCTGAAAAGAACCTTCTTAGAAA  
 CCTCTACAGAACTGCCTTAACAACAGAGTGGGAAAAGAGGCTCTCTACATCTCCCGTGGCGCTGGCGGC  
 CAGGCAGGAGGATGCACCATGATTGAGCCGCTGGTACCCGAGGAGACCAACAGTCTTCTGGGGAGAAG  
 CTGATGGATGGCTCGGAGATCCTCAGTCTGTTAGAGTCTGCGCGGAAACCCACAGAGTTCATAGGAGGGG  
 TTTCTGCTACTACCCAGAGCTGGGTGCAGAACTGGAAACAAAGACTGAGCCTGTAGAAGCAGAGGTGGA  
 ATCCACGCCACACCCTCAGCCCTCAGCACGGAGAAGGTGTTGCAGGAAACGATACTGGTAGAGGAGAGG  
 CATGTGATGAGTGTGCACGCCAGCGGGATGCCTCGCACACAGCCAGGGATGAAGTTGATGCTGCAGAAT  
 CCACCCACAGATCGCCGCCACTGGGAAAGGAAGGAGGGCTCTTCTGTGACAGAAGCAGCCAAAGGA  
 ACAGAGAGGCGAGGAGTTGACCAGTCTGCTCCGAGCAGGAACAGCCAGCCACTGTCTCCCATGAGGAG  
 GAGCAGGCGTCGACCATCCGCACTTCTGAGGTTTGAACAATAAATCTCATTTTGTAGTATCCACCGTGA  
 GGGTAGAAAGCAGAGTGTGGGAGTATTTCTCCAGGAGGAGCAAGCTAGAGATCTCTACCAAGGAGGT  
 GCCCGTAGTCCACACGGAAACGAAAACCATCACGTACGAGTCTCTCAGGTCGATCCTGGGGCAGATCTG  
 GAGCCAGGTGTGCTAATGAGTGCCAGACGATCACGTCTGAAACCACTAGTACTACCACCACCACACACA  
 TCACCAAACTGTGAAAGGAGGCATTTCCGAGACGAGGATTGAGAAGCGAATAGTCATCACAGGGGACGC  
 TGACATTGACCATGACCAGGCGCTGGCTCAGGCAATTAAGAGGCCAAAGAGCAGCACCCAGACATGTCA  
 GTGACCAAAAGTAGTAGTCCATAAAGAGACAGAAATCACACCAGAGGACGGAGAGGATTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

<b>ACCN:</b>	NM_013813
<b>Insert Size:</b>	2790 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_013813.1</a> , <a href="#">NP_038841.1</a>
<b>RefSeq Size:</b>	4051 bp
<b>RefSeq ORF:</b>	2790 bp
<b>Locus ID:</b>	13823
<b>UniProt ID:</b>	<a href="#">Q9WV92</a>
<b>Cytogenetics:</b>	17 40.15 cM
<b>Gene Summary:</b>	Tumor suppressor that inhibits cell proliferation and promotes apoptosis. Modulates the activity of protein arginine N-methyltransferases, including PRMT3 and PRMT5 (By similarity). [UniProtKB/Swiss-Prot Function]