

Product datasheet for **RN213533**

Epb41I5 (NM_001012023) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb41I5 (NM_001012023) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epb41I5
Synonyms:	Epb4.1I5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213533 representing NM_001012023
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTAGCTTCTACGAAGAACGCTTGGCCGCCGGTCTATGCGCAAGCATGCTGAAAAGGAGCGACTCC
 GAGAGGCGCAGCGTGCTGCCACACACATTCTGCGGCTGGAGATGCCAAGTCCGTCATCACATGCAGGGT
 GTCCTTCTGGATGGTACAGATGTTAGTGTGGACCTGCCGAAAAAGCCAAAGGACAGGAGCTGTTTGAC
 CAAATTATGTATCACCTGGACTTGATTGAAAGTACTATTTTGGTCTGAGATTCATGGACTCAGCCCAAG
 TAGCACATTGGCTGGATGGTACAAAAAGCATCAAAAAACAAGTAAAAATTGGTTCACCCTATTGTCTTCA
 TCTTCGAGTTAAGTTTTATTCTCGAACCAATAATCTTCGTGAGGAGCTAACCCGGTATTTATTTGTC
 CTTAGCTAAAACAAGATATTCTCAGTGGGAAGTTAGAGTGTCCCTTTGATACAGCAGTTCAATTGGCGG
 CTTACAATCTGCAAGCTGAACCTGGCGACTATGATCTTGCTGAACATAGTCTGAACTGGTCTCTGAGTT
 CAGGTTTGTGCCACCCAGACTGAAGAGATGGAAGTGGCTATTTTGGAGAAATGGAAGGAATACAGAGGT
 CAGACACCAGCACAAGCTGAAACCAATTACCTGAATAAAGCCAAGTGGCTGGAAATGTATGGCGTTGATA
 TGCATGTGGTCAAGGCTAGAGATGGCAATGACTATAGCTTGGGACTGACTCCAACAGGAGTCCCTGTTTT
 TGAAGGAGAGACCAAAATTGGCCTGTTTTCTGGCCAAAATAACCAGATTGGATTTTAAAGAAGATAAA
 TTAAGTCTGGTGGTTGTGGAAGATGATGATCAGGGCAAAGAACAAGGCATACCTTCGTCTTTAGATTGG
 ATCATCTAAAGCCTGCAAACTTATGGAAGTGTGCTGTGGAACACCATGCCTTCTCCGACTCCGAGG
 ACCTGTCCAAAAGGGTTCATCGATCGGGATTCATTCGACTAGGATCACGATTTAGATACAGTGGAAAA
 ACAGAGTATCAGACCACAAAACTAATAAAGCAAGAAGATCGACCTCATTGAAAGAAGGCCAGCAAGC
 GATATTTCCGACGACCCTGCAAGTGAAGCAAGCACAGCAAAGCCTGACGATCTTGGTGTTCATAATGC
 TTCGGCCCAAGAACAATGACTCCCAACAGGCTTGGGGTATGAAGTCTCCTGTGCCTGTCACTTCTTCTCA
 TCTCTGGTCCAGTGTGGTGGAGACCGAGAATCTCCACAGAAGTCTGCAGCGGACCAACATGACAGGA
 AACGGCTCTGTACCAGTGACCGCTGCCAGCGAGGTGGACACCAAGTGGAAACCAAGGGCCTTGCCCC
 ACCCCAGACTGCATATAGAACTACACTGACTTTGTACATGAGCACAATGTGAAGAATGCAGGAGCCCAT
 CATGATGCTCATTAGCTGGCCGTGCAGCCATGACTGACATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001012023

Insert Size: 1515 bp

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_001012023.1](#), [NP_001012023.1](#)

RefSeq Size: 2231 bp

RefSeq ORF: 1515 bp

Locus ID: 304733

UniProt ID: [Q5FVG2](#)

Cytogenetics: 13q11

Gene Summary: May contribute to the correct positioning of tight junctions during the establishment of polarity in epithelial cells.[UniProtKB/Swiss-Prot Function]