

Product datasheet for **MR223824**

Epb41I5 (NM_001113416) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb41I5 (NM_001113416) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Epb41I5
Synonyms:	1700030C16Rik; AL022914; BE37; E230025E14Rik; Epb4.1I5; Lulu1; NBL5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR223824 representing NM_001113416
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAGCTTCCTGAGACGAACGCTTGGCCGAGGTCTATGCGCAAGCATGCTGAAAAGGAGCGGCTCC
 GAGAGGCACAGCGTGCAGCCACACACATTCTGCGCTGGGGATGCCAAGTCCATCATCACATGCAGGGT
 GTCCTTCTGGACGGTACAGATGTCAGTGTGGACTTGCCGAAAAAAGCCAAAGGACAGGACTGTTTGC
 CAAATCATGTATCACCTGGACTTGATTGAAAGTACTATTTTGGTTTGGATTTCATGGATTCAGCCCAAG
 TAGCCATTGGTTGGATGGTACAAAAGCATCAAAAAGCAAGTAAAAATTGGTTCACCCTATTGTCTTCA
 TCTTCGAGTTAAGTTTTATTCTCGAACCAAATAATCTTCGTGAGGAGCTAACCCGGTATTTATTTGTT
 CTTGAGCTAAAACAAGATATTCTCAGTGGGAAGTTAGAGTGTCCCTTTGATACAGCAGTTCAGTTGGCAG
 CTTATAATCTGCAAGCTGAACCTGGCGACTATGATCTTGCTGAACATAGTCTGAACTGGTCTCTGAGTT
 CAGGTTTGTGCCATCCAGACTGAAGAGATGGAAGTGGCTATTTTGGAGAAATGGAAGGAATACAGAGGT
 CAGACACCAGCACAAGCAGAAACCAATTACCTGAATAAAGCCAAATGGCTAGAAATGTATGGTGTGATA
 TGCACGTGGTCAAGGCTAGAGATGGCAATGACTATAGTTGGGACTGACTCCAACAGGAGTCCCTGTTTT
 TGAAGGAGAGACCAAAATGGCTTGTCTTCTGGCCCAAGATAACCAGATTGGATTTTAAAGAAGAATAAG
 TTAAGTCTAGTGGTTGTGGAAGATGATGATCAGGGCAAAGAACAAGGCATACCTTTGTCTTTAGATTGG
 ATCACCCTAAAGCCTGCAAACTTATGGAATGTGCTGTGGAGCACCATGCCTTCTCCGCCTCCGAGG
 ACCTGTCCAAAAGAGTCCCATCGATCAGGATTCATTGACTAGGATCCCGATTTAGATACAGTGGAAAA
 ACAGAATATCAGACCACAAAACTAATAAAGCAAGAAGATCAACCTCCTTTGAAAGAAGGCCTAGCAAGC
 GGTATTTCCGACGGAGCGCTGCAATGAAAGCCAGCACAACACAACCTGAAGATCTTGGTCTCTTAATGC
 TTCCGCTCAGAAAAGTGACTCCCAACAGGCTTGGGGTGTGATGTCTCCTGTGCCTGTCACTTCTTCTCA
 TCTGTGGCGCTGTGCAGGTGGAGATAGAGAATCTCCACAGACCTCTGCGACAGAGCAGCACGACAGGA
 AATGGCTCTGTGCTACCAGTGACCGCTGCCAAGTGGTGGAAACCAGTGGAAACCAAGGGCCTTGCCCC
 ACCCCAGACTGCATATAGAACTACACTGACTTTGTACATGAGCATAATGTGAAGAATGCAGGAGCCCAT
 CATGACGCTCAGTTATCTGGCCGTGCAGCCATGACCGAGATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223824 representing NM_001113416
 Red=Cloning site Green=Tags(s)

MLSFLRRTLGRSMRKHAERLREAQRAATHIPAAGDAKSIITCRVSLLDGTDVSDLPKAKGQELFD
 QIMYHLDLIESDYFGLRFMDSAQVAHWLDGTSIKKQVKIGSPYCLHLRVKFSSEPNNLREELTRYLFV
 LQLKQDILSGKLECPFDTAVQLAAYNLQAEAGDYDLAEHSPELVSEFRFVPIQTEEMELAI FEKWKYRG
 QTPAQAE TNYLNKAKWLEMYGVMHVVKARDGNDYSLGLTPTGVLVFEGETKIGLFFWPKITRLDFKKNK
 LTLVVVEDDDQGEQEHTFVFRLDHPKACKHLWKCAVEHHAFRLRGPVQKSSHRSGFIRLGSFRFRYSK
 TEYQTTKTNKARRSTSFERRPSKRYSRRTLQMKASTTQPEDLGVNLSAQKSDSQAWGVMSVPVTS
 SCGAVQVEIENLPQTSATEQHDRKWL SATSDRCQRGGNQWNPRLPPPQTAYRNYTDFVHEHNKAGAH
 HDAQLSGRAAMTEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

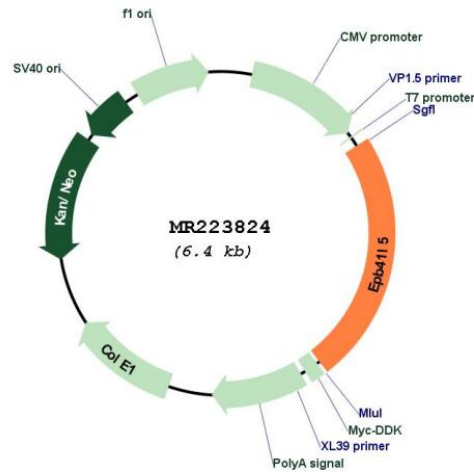
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001113416

ORF Size: 1512 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_001113416.1](#), [NP_001106887.1](#)

RefSeq Size: 2788 bp

RefSeq ORF: 1515 bp

Locus ID: 226352

UniProt ID: [Q8BGS1](#)

Cytogenetics: 1 E2.3

MW: 58.1 kDa

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