

Product datasheet for **RC230195**

EPB41L5 (NM_001184938) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB41L5 (NM_001184938) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EPB41L5
Synonyms:	BE37; LULU; LULU1; YMO1; YRT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC230195 representing NM_001184938
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAGTTTCTCCGTAAGAACAAGCTAGGGCGTCGGTCTATGCGTAAACATGCAGAGAAGGAACGACTCC
 GAGAAGCACAACGCGCCGCCACACATATTCCTGCAGCTGGAGATTCTAAGTCCATCATCAGTGTGGGT
 GTCCTTCTGGATGGTACTGATGTTAGTGTGGACTTGCCAAAAAAGCCAAAGGACAAGAGTTGTTTGT
 CAGATTATGTACCACCTGGACCTGATTGAAAGCGACTATTTTGGTCTGAGATTTATGGATTCAGCACAAG
 TAGCACATTGGTTGGATGGTACAAAAGCATCAAAAAGCAAGTAAAAATTGGTTCACCCTATTGTCTGCA
 TCTTCGAGTTAAGTTTTATTCTCAGAACCAATAACCTTCGTGAGGAGCTAACCCGGTATTTATTTGTT
 CTTTCAGTAAAACAAGATATTCTCAGTGGAAAATTAGACTGTCCCTTTGATACAGCAGTGAATGGCAG
 CTTATAATCTGCAAGCTGAACCTGGTACTATGATCTTGCTGAGCATAGTCTGAACTTGCTCAGAGTT
 CAGATTCGTGCCTATTCAGACTGAAGAGATGGAAGTGGCTATTTTGGAGAAATGGAAGGAATACAGAGT
 CAAACACCAGCACAGGCTGAAACCAATTATCTGAATAAAGCCAAATGGCTAGAAATGTATGGGGTTGATA
 TGCATGTGGTCAAGGCTAGAGATGGGAATGACTATAGTTGGGACTAACCCAACAGGAGTCCCTGTTTT
 TGAAGGAGATACCAAAATGGCTATTTTTTTGGCCGAAGATAACCAGATTGGATTTTAAAGAAGATAAA
 TTAACCTTGGTGGTGTAGAAGATGATGATCAGGGCAAAGAACAGGAACATACATTTGTCTTTAGACTGG
 ATCATCCAAAAGCATGCAAACTTTATGGAAATGTGCTGTGGAGCATCATGCTTCTCCGCCTTCGAGG
 CCCCGTCCAAAAGAGTTCTCATCGATCAGGATTTATTCGACTAGGATCACGATTTAGATATAGTGGGAAA
 ACAGAGTATCAGACCACAAAACCAATAAAGCAAGAAGATCAACATCCTTTGAAAGAAGGCCAGCAAA
 GATATTTAGACGAAGTCTACAAATGAAAGCATGTGCTACAAAACCTGAAGAAGTGTGTTTACAAATA
 TGTTTCGACCCAAAGTAATGGCTCCCAACAGGCTTGGGGATGAGATCTGCTCTGCCTGTGAGTCTTCC
 ATTTCTCTGCTCCTGTGCCAGTGGAGATAGAGAATCTTCCACAGAGTCTGGAACAGACCAGCATGACA
 GGAAATGGCTCTCTGCTGCCAGGACTGCTGTCAACGTGGTGGAAACCAGTGGAAACAAGGGCCTTGCC
 CCCACCCAGACCGCACATAGAAACTACTGACTTTGTTTCATGAGCACAATGTGAAGAATGCAGGAATC
 CGTCATGATGTTCAATTTCTGGCCATACGCCATGACTGAGATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230195 representing NM_001184938
 Red=Cloning site Green=Tags(s)

MLSFFRRTLGRSMRKHAERLREAQRAATHIPAAGDSKSIITCRVSLLDGTDVSDLPKAKGQELFD
 QIMYHLDLIESDYFGLRFMDSAQVAHWLDGTSIKKQVIGSPYCLHLRVKFSSEPNNLREELTRYLFV
 LQLKQDILSGKLDPCPFDVAVQLAAYNLQAEAGDYDLAEHSPVSEFRFVPIQTEEMELAI FEKWKYRG
 QTPAQAE TNYLNKAKWLEMYGVMHVVKARDGNDYSLGLTPTGVLVFEGDTKIGLFFWPKITRLDFKKNK
 LTLVVVEDDDQGEQEHTFVFRLDHPKACKHLWKCAVEHHAFRLRGPVQKSSHRSGFIRLGSFRFRYSGK
 TEYQTTKTNKARRSTSFERRPSKRYSRRTLQMKACATKPEELSVHNNVSTQSNQSQAQWGMRSALPVSPS
 ISSAPVPEIENLPQSPGTDQHDKRWLSAASDCCQRGGNQWNTALPPPQTAHRNYTDFVHEHNVKNAGI
 RHDVHFPGHTAMTEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

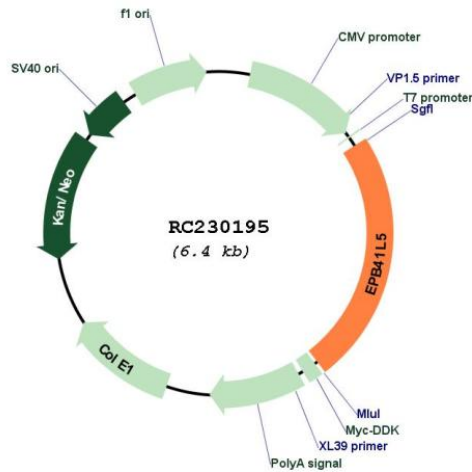
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001184938

ORF Size: 1515 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_001184938.4](#)

RefSeq ORF: 1518 bp

Locus ID: 57669

UniProt ID: [Q9HCM4](#)

Cytogenetics: 2q14.2

MW: 58.3 kDa

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