

Product datasheet for **RC230428**

EPB41L5 (NM_001184937) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB41L5 (NM_001184937) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EPB41L5
Synonyms:	BE37; LULU; LULU1; YMO1; YRT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC230428 representing NM_001184937
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGAGTTTCTCCGTAGAACTAGGGCGTCGGTCTATGCGTAAACATGCAGAGAAGGAACGACTCC
 GAGAAGCACAACGCGCCGCCACACATATTCCTGCAGCTGGAGATTCTAAGTCCATCATCACGTGTCGGGT
 GTCCCTCTCGGATGGTACTGATGTTAGTGTGGACTTGCCAAAAAAGCCAAAGGACAAGATTGTTTGAT
 CAGATTATGTACCACCTGGACCTGATTGAAAGCGACTATTTTGGTCTGAGATTTATGGATTACAGACAAG
 TAGCACATTGGTTGGATGGTACAAAAGCATCAAAAAGCAAGTAAAAATTGGTTACCCTATTGTCTGCA
 TCTTCGAGTTAAGTTTTATTCTCAGAACCAATAACCTTCGTGAGGAGCTAACCCGGTATTTATTTGTT
 CTTTCAGTTAAACAAGATATTCTCAGTGGAAAATTAGACTGTCCCTTTGATACAGCAGTGAATTTGGCAG
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 CAGATTCGTGCCTATTCAGACTGAAGAGATGGAACCTGGCTATTTTGGAGAAATGGAAGGAATACAGAGGT
 CAAACACCAGCACAGGCTGAAACCAATTATCTGAATAAAGCCAAATGGCTAGAAATGTATGGGGTTGATA
 TGCATGTGGTCAAGGCTAGAGATGGGAATGACTATAGTTTGGGACTAACACCAACAGGAGTCCTTGT
 TGAAGGAGATACCAAAATTGGCTTATTTTTTGGCCGAAGATAACCAAGATTGGATTTTAAAGAAGATAAA
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 CCCCGTCCAAAAGAGTTCTCATCGATCAGGATTTATTCGACTAGGATCACGATTTAGATATAGTGGGAAA
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 GATATTTCTAGACGAACCTACAAATGAAAGCATGTGCTACAAAACCTGAAGAAGTTAGTGTTCACAATAA
 TGTTTCGACCCAAAGTAATGGCTCCCAACAGGCTTGGGGGATGAGATCTGCTCTGCCTGTGAGTCCTTCC
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 GGAAATGCATTCTCTGAATATTGATTTGCTGAATAGCCAGACTTATTGGAAGCAACGATTGGTGTATGT
 AATTGGGGCATCTGACACTATGGAACATCCCAAGCACTGAATGACGTTAATGTAGCCACCAGGCTTCCG
 GGATTAGGGGAACCTGAAGTTGAATATGAGACATTAAGACACCTCAGAGAAGCTCAAACAGCTTGAGA
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 GACTTCAAGAGTAACATTTTGAAGGCTCAAGTAGAAGCAGTGCATAAGGTTACAAAAGAAGATAGCTTAT
 TAAGTCATAAAAAATGCCAATGTTTCAGGATGCTGCCACAAACAGTCTGTGTTAAATGAGAATAATGTGCC
 CCTCCCCAAAGAGTCTCTTGAGACTCTGATGCTTATCACACCTGCCGACAGTGGTTCTGTCTAAAGGAA
 GCTACAGATGAATTGGATGCCTTGCTTGATCTCTAACTGAGAATCTAATTGATCACACAGTTGCACCTC
 AGGTGTCTTCCACATCCATGATCACACCCGGTGGATTGTTCCGCTCTGGTCCCATTTTGGCAGAAGAAG
 CTGTCCTGAAGCAGAAGTGTCTTACTGACCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230428 representing NM_001184937
 Red=Cloning site Green=Tags(s)

MLSFFRRTLGRSMRKHAEKERLREAQRAATHIPAAGDSKSIITCRVSLLDGTDVSDLPKKAKGQELFD
 QIMYHLDLIESDYFGLRFMDSAQVAHWLDGTSIKKQVKIGSPYCLHLRVKFSSEPNNLREELTRYLFV
 LQLKQDILSGKLDPCFDTAVQLAAYNLQAEAGDYDLAEHSPELVSEFRFVPIQTEEMELAI FEKWKEYRG
 QTPAQAEATNYLNKAKWLEMYGVDHVVVKARDGNDYSLGLTPTGVLVFEGDTKIGLFFWPKITRLDFKKNK
 LTLVVVEDDDQGEQEHFVFRLDHPKACKHLWKCAVEHHAFRLRGPVQKSSHRSGFIRLGSFRFYSYGK
 TEYQTTKTNKARRSTSFERRPSKRYSRRTLQMKACATKPEELSVHNNVSTQSNQSQAQWGMRSALPVSPS
 ISSAPVPVEIENLPQSPGTDQHDRKCIPLNIDLLNSPDLEATIGDVIGASDTMETSQALNDVNVATRLP
 GLGEPEVEYETLKDTSEKLKQLEMENSPLLSPRSNIDVNINSQEEVVKL TEKCLNNVIESPGLNVMRVP
 DFKSNILKAQVEAVHKVKEDSLLSHKNANVQDAATNSAVLNENNVLPLKESLETMLLITPADSGSVLKE
 ATDEL DALLASLTENLIDHTVAPQVSSTSMITPRWIVPLWSHFGRRCPEAEVFTDH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8036_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001184937

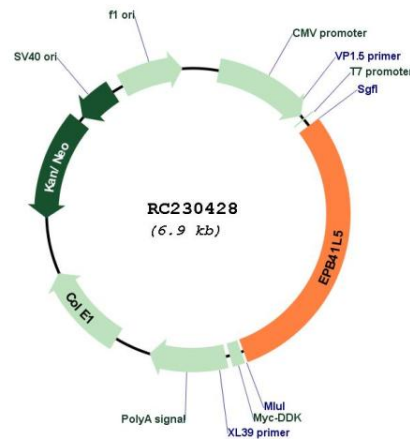
ORF Size: 2061 bp

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](#)

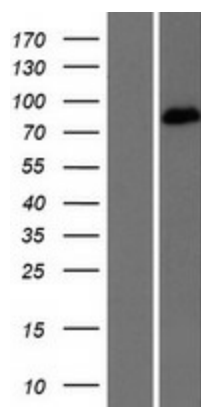
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001184937.2</u>
RefSeq ORF:	2064 bp
Locus ID:	57669
UniProt ID:	<u>Q9HCM4</u>
Cytogenetics:	2q14.2
MW:	78 kDa
Gene Summary:	May contribute to the correct positioning of tight junctions during the establishment of polarity in epithelial cells.[UniProtKB/Swiss-Prot Function]

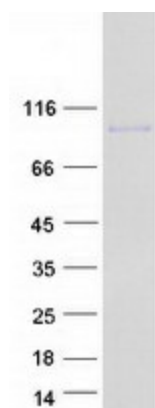
Product images:



Circular map for RC230428



Western blot validation of overexpression lysate (Cat# [LY433428]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230428 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EPB41L5 protein (Cat# [TP330428]). The protein was produced from HEK293T cells transfected with EPB41L5 cDNA clone (Cat# RC230428) using MegaTran 2.0 (Cat# [TT210002]).