

## Product datasheet for **RG230195**

### **EPB41L5 (NM\_001184938) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EPB41L5 (NM_001184938) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EPB41L5
Synonyms:	BE37; LULU; LULU1; YMO1; YRT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG230195 representing NM\_001184938  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGAGTTTCTCCGTAGAACACTAGGGCGTCGGTCTATGCGTAAACATGCAGAGAAGGAACGACTCC  
 GAGAAGCACAAACGCGCCGCCACACATATTCCTGCAGCTGGAGATTCTAAGTCCATCATCAGTGTGGGT  
 GTCCTTCTGGATGGTACTGATGTTAGTGTGGACTTGCCAAAAAAGCCAAAGGACAAGAGTTGTTGAT  
 CAGATTATGTACCACCTGGACCTGATTGAAAGCGACTATTTTGGTCTGAGATTTATGGATTCAGCACAAG  
 TAGCACATTGGTTGGATGGTACAAAAGCATCAAAAAGCAAGTAAAAATTGGTTCACCCTATTGTCTGCA  
 TCTTCGAGTTAAGTTTTATTCTCAGAACCAATAACCTTCGTGAGGAGCTAACCCGGTATTTATTTGTT  
 CTTTCAGTAAAACAAGATATTCTCAGTGGAAAATTAGACTGTCCCTTTGATACAGCAGTGAATGGCAG  
 CTTATAATCTGCAAGCTGAACCTGGTACTATGATCTTGTGAGCATAGTCTGAACTTGCTCAGAGTT  
 CAGATTCGTGCCTATTCAGACTGAAGAGATGGAAGTGGCTATTTTGGAGAAATGGAAGGAATACAGAGT  
 CAAACACCAGCACAGGCTGAAACCAATTATCTGAATAAAGCCAAATGGCTAGAAATGTATGGGGTTGATA  
 TGCATGTGGTCAAGGCTAGAGATGGGAATGACTATAGTTTGGGACTAACCCAACAGGAGTCCTTGT  
 TGAAGGAGATACCAAAATGGCTTATTTTTTGGCCGAAGATAACCAGATTGGATTTTAAAGAAGATAAA  
 TTAACCTTGGTGGTGTAGAAGATGATGATCAGGGCAAAGAACAGGAACATACATTTGTCTTTAGACTGG  
 ATCATCCAAAAGCATGCAAACTTTATGAAAATGTGCTGTGGAGCATCATGCTTCTCCGCCTTCGAGG  
 CCCCGTCCAAAAGAGTTCTCATCGATCAGGATTTATTCGACTAGGATCACGATTTAGATATAGTGGGAAA  
 ACAGAGTATCAGACCACAAAACCAATAAAGCAAGAAGATCAACATCCTTTGAAAGAAGGCCAGCAAAC  
 GATATTTAGACGAAGTCTACAAATGAAAGCATGTGCTACAAAACCTGAAGAAGTGTGTTTACAAATAA  
 TGTTCGACCCAAAGTAATGGCTCCCAACAGGCTTGGGGGATGAGATCTGCTCTGCCTGTGAGTCTCC  
 ATTTCTCTGCTCCTGTGCCAGTGGAGATAGAGAATCTTCCACAGAGTCTGGAACAGACCAGCATGACA  
 GGAAATGGCTCTCTGCTGCCAGGACTGCTGTCAACGTGGTGGAAACCAGTGGAAACAAGGGCCTTGCC  
 CCCACCCAGACCCGACATAGAAACTACTGACTTTGTTTCATGAGCACAATGTGAAGAATGCAGGAATC  
 CGTCATGATGTTCAATTTCTGGCCATACGCCATGACTGAGATA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG230195 representing NM\_001184938  
 Red=Cloning site Green=Tags(s)

MLSFFRRTLGRSMRKHAEKERLREAQRAATHIPAAGDSKSIITCRVSLLDGTDVSVLPPKAKGQELFD  
 QIMYHLDLIESDYFGLRFMDSAQVAHWLDGTSIKKQVIGSPYCLHLRVKFSSEPNLREELTRYLFV  
 LQLKQDILSGKLDPCPFDTAVQLAAYNLQAE LGDYDLAEHSPELVSEFRFVPIQTEEMELAI FEKWKEYRG  
 QTPAQAE TNYLNKAKWLEMYGDMHVVKARDGNDYSLGLTPTGVLVFEGDTKIGLFFWPKITRLDFKKNK  
 LTLVVVEDDDQGKEQEHTFVFRLDHPKACKHLWKCAVEHHAFRLRGPVQKSSHRSGFIRLGSFRFRYSK  
 TEYQTTKNKARRSTSFERRPSKRYSRRTLQMKACATKPEELSVHNNVSTQSNQSQAAGMRSALPVSPS  
 ISSAPVPEIENLPQSPGTDQHDRKWL SAASDCCQRGGNQWNTALPPPQTAHRNYTDFVHEHNVKNAGI  
 RHDVHFPGHTAMTEI

**TRTRPLE** – GFP Tag – V

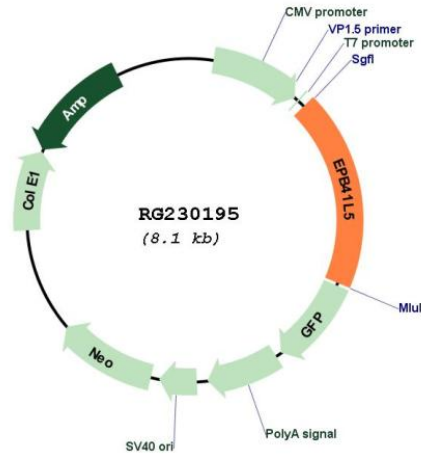
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



**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 Size:** 4675 bp

**RefSeq ORF:** 1518 bp

**Locus ID:** 57669

**UniProt ID:** [Q9HCM4](#)

**Cytogenetics:** 2q14.2

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