

Product datasheet for **RG230196**

EPB41L5 (NM_001184939) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | EPB41L5 (NM_001184939) 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:

>RG230196 representing NM_001184939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAGTTTCTCCGTAGAACACTAGGGCGTCGGTCTATGCGTAAACATGCAGAGAAGGAACGACTCC
 GAGAAGCACAACGCGCCGCCACACATATTCCTGCAGCTGGAGATTCTAAGTCCATCATCAGTGTGGGT
 GTCCTTCTGGATGGTACTGATGTTAGTGTGGACTTGCCAAAAAAGCCAAAGGACAAGAGTTGTTGAT
 CAGATTATGTACCACCTGGACCTGATTGAAAGCGACTATTTTGGTCTGAGATTTATGGATTCAGCACAAG
 TAGCACATTGGTTGGATGGTACAAAAGCATCAAAAAGCAAGTAAAAATTGGTTCACCCTATTGTCTGCA
 TCTTCGAGTTAAGTTTTATTCTCAGAACCAATAACCTTCGTGAGGAGCTAACCCGGTATTTATTTGTT
 CTTTCAGTAAAACAAGATATTCTCAGTGGAAAATTAGACTGTCCCTTTGATACAGCAGTGAATGGCAG
 CTTATAATCTGCAAGCTGAACCTGGTACTATGATCTTGTGAGCATAGTCTGAACTTGTCTCAGAGTT
 CAGATTCGTGCCTATTCAGACTGAAGAGATGGAAGTGGCTATTTTGGAGAAATGGAAGGAATACAGAGGT
 CAAACACCAGCACAGGCTGAAACCAATTATCTGAATAAAGCCAAATGGCTAGAAATGTATGGGGTTGATA
 TGCATGTGGTCAAGGCTAGAGATGGGAATGACTATAGTTTGGGACTAACCCAACAGGAGTCCTTGT
 TGAAGGAGATACCAAAATGGCTTATTTTTTGGCCGAAGATAACCAGATTGGATTTTAAAGAAGATAAA
 TTAACCTTGGTGGTTGTAGAAGATGATGATCAGGGCAAAGAACAGGAACATACATTTGTCTTTAGACTGG
 ATCATCCAAAAGCATGCAAACTTTATGGAATGTGCTGTGGAGCATCATGCTTCTCCGCCTTCGAGG
 CCCCGTCCAAAAGAGTTCTCATCGATCAGGATTTATTCGACTAGGATCACGATTTAGATATAGTGGGAAA
 ACAGAGTATCAGACCACAAAACCAATAAAGCAAGAAGATCAACATCCTTTGAAAGAAGGCCAGCAAAC
 GATATTTAGACGAACCTACAAATGAAAGCATGTGCTACAAAACCTGAAGAAGTGTGTTTACAAATAA
 TGTTCGACCCAAAGTAATGGCTCCCAACAGGCTTGGGGGATGAGATCTGCTCTGCCTGTGAGTCCTCC
 ATTTCTCTGCTCCTGTGCCAGTGGAGATAGAGAATCTTCCACAGAGTCTGGAACAGACCAGCATGACA
 GGAAATGGCTCTCTGCTGCCAGGACTGCTGTCAACGTGGTGGAAACCAGTGGAAACAAGGGCCTTGCC
 CCCACCCAGACCGCACATAGAACTACTGACTTTGTTTCATGAGCACAATGTGAAGAATGCAGGAATC
 CGTCATGATGTTCAATTTCTGGCCATACGCCATGACTGAGATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230196 representing NM_001184939
 Red=Cloning site Green=Tags(s)

MLSFFRRTLGRSMRKHAEKERLREAQRAATHIPAAGDSKSIITCRVSLLDGTDVSVLPPKAKGQELFD
 QIMYHLDLIESDYFGLRFMDSAQVAHWLDGTSIKKQVIGSPYCLHLRVKFSSEPNNLREELTRYLFV
 LQLKQDILSGKLDPCPFDTAVQLAAYNLQAE LGDYDLAEHSPELVSEFRFVPIQTEEMELAI FEKWKEYRG
 QTPAQAE TNYLNKAKWLEMYGDMHVVKARDGNDYSLGLTPTGVLVFEGDTKIGLFFWPKITRLDFKKNK
 LTLVVVEDDDDQGKEQEHTFVFRLDHPKACKHLWKCAVEHHAFRLRGPVQKSSHRSGFIRLGSFRFRYSK
 TEYQTTKNKARRSTSFERRPSKRYSRRTLQMKACATKPEELSVHNNVSTQSNQSQQAWGMR SALPVSPS
 ISSAPVPEIENLPQSPGTDQHDRKWL SAASDCCQRGGNQWNTALPPPQTAHRNYTDFVHEHNVKNAGI
 RHDVHFPGHTAMTEI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001184939

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_001184939.3](#)

RefSeq Size: 4385 bp

RefSeq ORF: 1518 bp

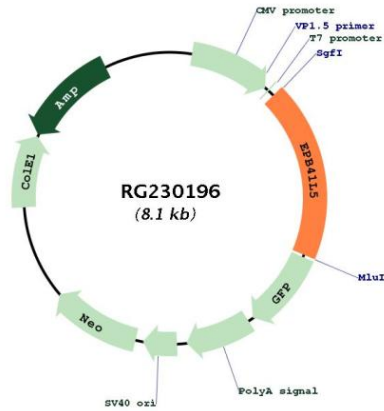
Locus ID: 57669

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]

Product images:



Circular map for RG230196