

## Product datasheet for **SC326163**

### EPB4IL2 (EPB41L2) (NM\_001135555) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EPB4IL2 (EPB41L2) (NM_001135555) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPB41L2
Synonyms:	4.1-G; 4.1G
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001135555, the custom clone sequence may differ by one or more nucleotides

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ATGACTACTGAAGTAGGCTCTGTGTCTGAAGTGAAGAAGGACTCTAGCCAGTTAGGAACA
GATGCAACCAAGGAAAAACCTAAAGAAGTAGCAGAAAAATCAGCAGAATCAGTCTTCCGAT
CCAGAGGAGGAAAAAGGTTCCCAGCCACCTCCTGCAGCTGAAAGCCAAAGTAGTCTACGC
CGCCAGAAGAGAGAGAAGGAAACATCGGAGAGCAGGGGATTTCTCGGTTACACCGCCA
TGGCTTAAGAAGCAAAAAGTCATATACCTTAGTAGTGGCCAAAGATGGAGGAGATAAAAA
GAGCCTACCCAAGCTGTTGTTGAAGAACAGGTCTTAGATAAAGAGGAACCCCTCCAGAA
GAACAGAGACAGGCTAAGGGTGATGCTGAAGAAATGGCTCAGAAGAAACAAGAGATTAAA
GTTGAAGTCAAGGAAGAAAAACCCTCAGTGAGCAAGGAAGAAAAACCCTCAGTGAGCAAA
GTGGAGATGCAGCCTACTGAATTAGTAAGTAAGGAGAGAGAAGAGAAGGTAAAAGAAACA
CAGGAAGACAAATTAGAAGGAGGAGCAGCAAAAAGGGAGACCAAGGAAGTGCAGACCAAT
GAGCTGAAAGCAGAGAAGGCATCTCAAAAAGTCACCAAGAAGACCAAAACTGTCCAGTGT
AAAGTGACCTCTTAGATGGCACCGAATACAGCTGTGACCTGGAGAAACATGCCAAGGGA
CAAGTGTTATTTGACAAAGTGTGTGAACACCTCAATCTCTTGGAGAAAGACTACTTTGGA
CTTTTGTTTCAGGAAAGCCCTGAGCAGAAAAACTGGTTAGATCCTGCTAAAGAAATAAAG
AGACAACCTGAGAAACCTCCATGGCTATTCACCTTTAATGTGAAGTTTTATCCTCCTGAT
CCTTCTCAATTGACTGAAGATATCACCAGATACTTCTTGTGCCTCAGCTCCGGCAGGAC
ATTGCCTCTGGCCGCCTGCCCTGCTCTTTTGTGACTCATGCTCTCCTGGGATCCTACACC
CTGCAGGCTGAACCTGGTGACTATGACCCAGAAGAATATGGCAGCATCGACCTCAGTGAA
TTCCAGTTTCCCCTACTCAGACTAAGGAGCTGGAAGAGAAGGTGGCAGAGCTGCACAAA
ACCCACAGGGGCTTATCGCCAGCACAAGCTGATCCCAGTTCCTAGAAAAATGCAAAGAGG
CTTTCCATGTATGGTGTGACCTACATCATGCCAAGGACTCAGAAGGTGTGGACATCAAG
CTGGGCGTGTGTGCTAATGGACTTCTCATTTACAAAGACAGACTGCGAATCAATCGTTTT
GCTTGGCCGAAAACTTAAAAATTTCTATAAACGCAGTAACTTCTACATTAAGTCAGA
CCGGCAGAGCTGGAACAGTTTGAGAGTACCATTGGATTCAAACCTGCCAAACCACCGGGCA
GCGAAAAGACTATGGAAGTGTGCGTGGAGCATCATACTTTCTACAGGCTTGTCTTCCA
GAGCAGCCACCAAAAAGCCAAGTTCCTGACCTTGGGGTCCAAATTTGCTATAGTGGCCGC
ACCCAAGCACAGACCCGCCAGGCCAGCACCTCATAGATAGGCCAGCACCACTTTGAG
CGCACTTCTAGTAAACGGGTCTCCAGGAGTCTAGATGGAGCTCCGATTGGTGTGTCATGGAC
CAAAGTCTTATGAAGATTTTCTGGCGTGTGTTGGGAGATTTACGCTATGGACCTGGA
CTTGTCAGCATTGCCGTGATACAAGATGGGGACGGCAGGAGGGAAGTGAGAAGCCCAACT
AAAGCCCCACATTTGCAGCTCATTGAAGGAAAGACTGTAAAAGGTGGAATTTCTGAAACA
AGAATTGAGAAACGCATTGTGATCACAGGAGATGGAGATATTGATCATGACCAGGCACTG
GCTCAGGCGATCAGGGAAGCCAGAGAGCAGCACCTGACATGTGCGGTCACAAGAGTGGTG
GTACACAAAGAAACAGAGTTGGCTGAGGAAGGGGAAGAT

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001135555

**Insert Size:** 3486 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001135555.1</a></u> , <u><a href="#">NP_001129027.1</a></u>
<b>RefSeq Size:</b>	3486 bp
<b>RefSeq ORF:</b>	3486 bp
<b>Locus ID:</b>	2037
<b>UniProt ID:</b>	<u><a href="#">O43491</a></u>
<b>Cytogenetics:</b>	6q23.1-q23.2
<b>Protein Pathways:</b>	Tight junction
<b>Gene Summary:</b>	Required for dynein-dynactin complex and NUMA1 recruitment at the mitotic cell cortex during anaphase (PubMed:23870127).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR and lacks five consecutive exons in the coding region, but maintains the reading frame, compared to variant 1. Variants 2 and 3 encode the same isoform (b), which is shorter than isoform a.