

Product datasheet for **SC108576**

EPB4IL2 (EPB41L2) (NM_001431) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB4IL2 (EPB41L2) (NM_001431) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPB4IL2
Synonyms:	4.1-G; 4.1G
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001431, the custom clone sequence may differ by one or more nucleotides

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ATGACTACTGAAGTAGGCTCTGTGTCTGAAGTGAAGAAGGACTCTAGCCAGTTAGGAACAGATGCAACCA
AGGAAAAACCTAAAGAAGTAGCAGAAAAATCAGCAGAATCAGTCTTCCGATCCAGAGGAGGAAAAAGTTCC
CCAGCCACCTCCTGCAGCTGAAAGCCAAAGTAGTCTACGCCGCCAGAAGAGAGAGAAACATCGGAG
AGCAGGGGTATTTCTCGTTTCATACCGCCATGGCTTAAGAAGCAAAGTCAATACCTTAGTAGTGCCCA
AAGATGGAGGAGATAAAAAAGAGCTACCCAAGCTGTTGTTGAAGAACAGGTCTTAGATAAAGAGGAACC
CCTTCCAGAAGAAGAGAGACAGGCTAAGGGTGATGCTGAAGAAATGGCTCAGAAGAAACAAGAGATTAA
GTTGAAGTCAAGGAAGAAAAACCTCAGTGAGCAAGGAAGAAAAACCTCAGTGAGCAAAGTGGAGATGC
AGCCTACTGAATTAGTAAGTAAAGAGAGAGAAGAGAAGGTAAAAGAAACACAGGAAGACAAATTAGAAGG
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TGGAGAAACATGCCAAGGGACAAGTGTTATTTGACAAAGTGTGTGAACACCTCAATCTCTTGAGAAAGA
CTACTTTGGACTTTTGTTCAGGAAAGCCCTGAGCAGAAAAACTGGTTAGATCCTGCTAAAGAAATAAG
AGACAACCTGAGAAACCTTCCATGGCTATCACTTTAATGTGAAGTTTTATCCTCCTGATCCTTCTCAAT
TGACTGAAGATATCACCAGATACTTCTGTGCCTCAGCTCCGGCAGGACATTGCCTCTGGCCCGCTGCC
CTGCTCTTTTGTGACTCATGCTCTCCTGGGATCCTACACCCTGCAGGCTGAACCTGGTGACTATGACCCA
GAAGAACATGGCAGCATCGACCTCAGTGAATCCAGTTTGCCCTACTCAGACTAAGGAGCTGGAAGAGA
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TGCAAAGAGGCTTTCCATGTATGGTGTGACCTACATCATGCCAAGGACTCAGAAGGTGGGACATCAAG
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AAATCTTAAAAATTTCTATAAAGCAGTAACCTTCTACATTAAGTCAGACCGGCAGAGCTGGAACAGTT
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AATTTTCGCTATAGTGGCCGACCCCAAGCACAGACCCGCCAGGCCAGCACCTCATAGATAGGCCAGCACC
ACACTTTGAGCGCACTTCTAGTAAACGGGTCTCCAGGAGTCTAGATGGAGCTCCGATTGGTGTGATGGAC
CAAAGTCTTATGAAGGATTTTCTGGCGTGTGGGGAGATTTGAGCCTATGGACCTGGACTTGTGACGA
TTGCCGTGGTACAAGATGGGACGGCAGGAGGGAAGTGAAGGCCAACTAAAGCCACATTTGACGCT
CATTGAAGGAAAGAAAAATTCCTTGAGAGTAGAAGGGGATAATATTTATGTCAGACATAGCAATTTAATG
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ATTTTATGGAATCCACACCTGAGCCGCGCCCTAATGAATGGGAAAAACGACGTATCACACCTCTGTCCCT
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GACGAAAGAGTAAACACAGAAGAAATGAATGGTAAAGAGATATCACCTGGGAGTGGTCTGGGGAGATTC
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CAGGAGTATGAAGAAGAGGTGGAGGAAGAACCCCGCCCGCAGCCAAGGTAGTAGAGAGGGAGGAAGCAG
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AGAAATCTCCACCAAGGAAGTCCCATTGTCCAAACTGAGACAAAACCATCACATATGAGTCTCCACAG
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CATTGTGATCACAGGAGATGGAGATTTGATCATGACCAGGCACTGGCTCAGGCGATCAGGAAGCCAGA
GAGCAGCACCTGACATGTCGGTACAAGAGTGGTGGTACACAAAGAAACAGAGTTGGCTGAGGAAGGGG
AAGATTAA
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001431 unedited</p> <pre> NGTCAGATTTGTAACCGATTTACTATAGGGCGGCCGCGCATTTCGGCACGAGGGGAGGAGG TAGGCGCGGCTGCCGGCGGCTGGGACCGAAGAGGGACGGGTCCCAGCGCGAGCGAGCTCC TGAGCATAAGCTGTGGCCATGACTACTGAAGTAGGCTCTGTGTCTGAAGTGAAGAAGGAC TCTAGCCAGTTAGGAACAGATGCAACCAAGGAAAAACCTAAAGAAGTAGCAGAAAAATCAG CAGAATCAGTCTCCGATCCAGAGGAGGAAAAAGTTCCAGCCACCTCCTGCAGCTGAA AGCCAAAGTAGTCTACGCCCGCAGAAGAGAGAGAAGAAACATCGGAGAGCAGGGGTATT TCTCGGTTCATACGCCATGGCTTAAGAAGCAAAGTCATATACCTTAGTAGTGGCCAAA GATGGAGGAGATAAAAAAGGCCTACCCAAGCTGTTGTTGAAGAACAGGTCTTAGATAAA GAGGAACCCCTTCCAGAAGAACAGAGACAGGCTAAGGGTGATGCTGAAGAAATGGCTCAG AAGAAACAAGAGATTAAGTTGAAGTCAAGGAAGAAAAACCTCAGTGAGCAAGGAAGAA AAACCCTCAGTGAGCAAAGTGGAGATGCAGCCTACTGAATTAGTAAGTAAGGAGAGAGAA GAGAAGGTAAGAAACACAGGAAGACAAATTAGAAGGAGGAGCAGCANAAAGGGAGAAC CAAGAAGTGCAGACCAATGAGCTGAAAGCAGAGAAGGCATCTCANAAAGTACCAAGAAG ACCAAACTGTCCAGTGTAAAGTGACCCTCCTAGATGGCACCGAATACAGCTGTGACCTG GAGAAAACATGCCAGGGACAGTGTATTTGACAAAGTGTGTGAACACCTCATCTTTGGA GAAGATACTTTGGACTTTTGT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001431 unedited</p> <pre> TATGGACCGCGGCCGAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTGGAGAATAAACA AACTTTATTTTATAATAGTATTACAGGAAGCAAATATCATTTAATACACTTGAGGCTG CTATAAATCTAATCTGGCATCGTAACTATACATAGGGTCAAAGGCAAAGGAAAAAATGT TCAATATAGTTAATAAGTCCCTATCGGGTCTCTGGTGCCAGCTTTAAATGGTATAACTTT CTTGTAACCAACAGAACACCACCACAGCCCTCCCTCCTCCAGCATCCTCAAACCT GTGTGAATCATAAACTATCTGAAAGAGATAGGCCTGCTCAATAACAAAAGGTAAGTTTT ACATGTGTAGACAAGAGGTTTAAACAAAAGCAAGAGTTCTACCAAGTGTTCAAATAAT GGAAAGAATTGAAATTTGGGTATGTTAAGAAAGAAAGCACTAAGGTTTTAAGCTGCCTGA ATCTTTTAGTAGAAGGGAAGAAAGTTTTCTTTCTTTCCCTCCTGTTCTGGAATGCTG CCGAAGGGCATGTGTCTGACAAGCATTGGCACTGTGGTGGCGGAGGGTCTCTAAGCACAG TGCACAGTCAGTGAACCTCTTTCATTATTCTCCAGTCCAGAGATTCTGACTCTCTACTAAA AGTAGAAAGTCACAGGACTGGAAGTCAAAGGGTCCCAATATAAAAAACATCCCTGTGAA ATTCTCAATATTAGAAAATTTCAAGATGTANGAAAGGGCTNTAAATCTGNATAAAATA TTTCTCATACAGGATATATTGCTGCATTTGAAAACTTCGTAATTATTTACTGGNGAGAA TTTCATGAAAAGAAATCCAGAGAAGGNAAGCCCTATCTAAAATTAGTCCCGGAGATTTCC TTTTCTGCGCAAAAGNACCTGGTCAGTGNAAAAGAACCTTACAGCCTGGGGCTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001431
Insert Size:	4310 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).
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:	<ol style="list-style-type: none">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_001431.1 , NP_001422.1
RefSeq Size:	4336 bp
RefSeq ORF:	3018 bp
Locus ID:	2037
UniProt ID:	O43491
Cytogenetics:	6q23.1-q23.2
Domains:	B41, SAB
Protein Pathways:	Tight junction
Gene Summary:	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 (1), as well as variant 9, encodes isoform a.