

Product datasheet for **SC308126**

EPB41 (NM_203343) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB41 (NM_203343) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPB41
Synonyms:	4.1R; EL1; HE
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_203343, the custom clone sequence may differ by one or more nucleotides

```

ATGACAACAGAGAAGAGT TTAGTGACTGAGGCCGAAAATTCACAGCACCAACAGAAGGAA
GAGGGTGAGGAAGCCATAAACTCAGGCCAACAGAACCTCAGCAGGAGGAATCTTGTCAA
ACAGCAGCTGAAGGAGATAATTGGTGTGAACAGAAGCTGAAAGCTTCTAATGGAGACT
CCTACACATGAAGACTTGACCAAGAACAAGGAGCGGACATCAGAAAGCAGAGGACTTTCA
CGACTATTCTCCTCGTTTCTCAAAGGCCCAAATCTCAGGTGTCGAGGAAGAAGGCAAA
GAAGTAGAGTCAGATAAAGAAAAAGGTGAAGGAGGTCAGAAAGAGATAGAATTTGGAACC
AGTCTTGATGAAGAGATCATTTTAAAGGCCCAATTGCAGCTCCTGAACCGGAACTCAAA
ACAGACCCATCTTTGGATCTTCATTCATTAAGCAGTGCAGAAACACAGCCTGCTCAGGAA
GAACTCAGAGAAGATCCAGATTTTGAATTAAGGAAGGAGAAGGACTTGAAGAGTGCTCC
AAAATAGAAGTAAAAGAAGAAAGCCCTCAATCAAAGCAGAAACAGAATAAAAGCTTCC
CAAAAACCAATCAGAAAACACAGGAACATGCACTGCAAGGTTTCTTTGTTGGATGACACA
GTTTATGAATGTGTTGTGGAGACATGGCTGGATTCCGCCAAAAGAAATAAAAAAGCAGGTT
CGTGGTGTCCCTTGAATTTTACATTTAATGTAAGTTTTATCCACCTGACCCAGCACAG
TTAACAGAAGACATAACAAGATATTATTTATGTCTTCAGCTTCGGCAGGACATAGTTGCA
GGACGTCTGCCCTGTTCCCTTTGCAACCTTAGCATTATTAGGTTCTTACACCATCCAGTCT
GAACTGGGAGACTACGACCCAGAACTCCATGGCGTGGATTATGTTAGTGATTTTAAACTG
GCCCCGAATCAGACCAAGGAAGTGAAGAGAAGGTCATGGAAGTCATAAGTCATACAGG
TCCATGACTCCAGCTCAGGCTGACTTGGAGTTTCTTGAGAATGCCAAAAGTTGTCTATG
TATGGAGTTGATCTTATAAAGCAAAGGACTTGGAAAGGAGTAGATATCATCCTAGGTGTC
TGCTCTAGTGGCCTTCTGGTTTACAAAGATAAGCTGAGAATTAACCGCTTCCCTTGCC
AAAGTGAAGATTTCTATAAACGTAGTAGCTTTTTTTCATCAAGATTCGGCCTGGAGAG
CAAGAGCAGTATGAAAGTACCATCGGATTCAAACTTCCAGTTACCGAGCAGCTAAGAAA
TTATGAAAGTCTGTGTAGAACATCACACGTTTTTTCAGATTGACATCTACAGACACCATT
CCCAAAAGCAAATTTCTTGCGCTAGGATCCAAATTTTCGATACAGTGGCCGGACTCAAGCT
CAGACCAGGCAAGCTAGTGCTAATTGACAGGCCTGCCCCACACTTCGAGCGTACAGCA
AGTAAACGGGCGTCCCGGAGCCTCGATGGAGCAGCAGCTGTCGATTCCGGCAGACCGAAGT
CCTCGGCCACTTCTGCACCTGCCATTACTCAGGGTCAGGTTGCAGAAGGTGGCGTCTTA
GATGCCTCTGCTAAAAAACAGTGGTCCCTAAAGCACAGAAGGAAACAGTGAAGGCTGAA
GTGAAAAAGGAAGACGAGCCACCTGAGCAAGCTGAGCCAGAGCCACAGAAGCATGGAAG
GATTTAGACAAGAGTCAAGAGGAGATCAAAAAACATCATGCCAGCATCAGTGAGCTGAAA
AAGAACTTCATGGAGTCTGTACCAGAACCACGGCCTAGTGAATGGGATAAACGCTTATCC
ACTCACTACCCTTCCGAAGTCTTAACATCAATGGGCAAATCCCCACAGGAGAAGGACCT
CCCCTGGTGAAGACACAACTGTCAACATCTCAGATAATGCCAATGCTGTGAAAAGTGAA
ATCCCAACCAAAGACGTCCCTATTGTCCCACTGAGACCAAGACCATCACTTATGAGGCT
GCCCAGACTGACGACAACAGTGGAGACTTGGACCCAGGAGTCTTGCTGACAGCTCAAAT
ATCACATCTGAGACCCCAAGCAGCACCACCAACTCAAATTACCAAGACTGTAAGAGGT
GGGATTTACAGAGACACGATTGAAAAGAGAATTGTGATCACAGGAGATGCTGATATTGAC
CATGATCAGGTCCTTGTACAAGCCATCAAGGAGGCAAAGGAGCAGCACCAGACATGTCA
GTGACCAAGGTGGTCTCCACCAGGAGACCGAGATTGCTGATGAGTGA

```

Restriction Sites: Please inquire

ACCN: NM_203343

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.
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:	<u>NM_203343.1</u> , <u>NP_976218.1</u>
RefSeq Size:	6064 bp
RefSeq ORF:	5694 bp
Locus ID:	2035
Cytogenetics:	1p35.3
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction
Gene Summary:	<p>The protein encoded by this gene, together with spectrin and actin, constitute the red cell membrane cytoskeletal network. This complex plays a critical role in erythrocyte shape and deformability. Mutations in this gene are associated with type 1 elliptocytosis (EL1). Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) is missing several short, internal, in-frame coding exons compared to variant 1, resulting in a shorter isoform (2) compared to isoform 1.</p>