

Product datasheet for **SC317872**

EHM2 (EPB41L4B) (NM_018424) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EHM2 (EPB41L4B) (NM_018424) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPB41L4B
Synonyms:	CG1; EHM2; LULU2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

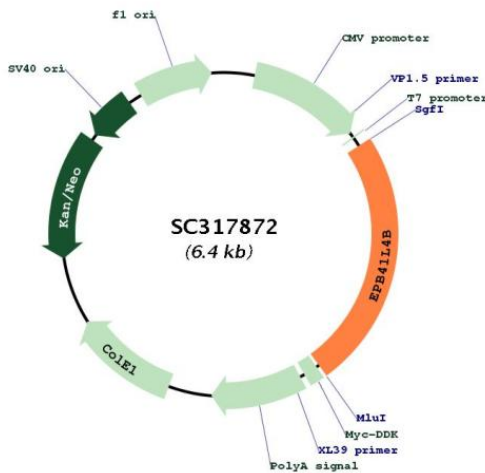
Fully Sequenced ORF: >SC317872 representing NM_018424.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGCGGTTCTGCGCCGACCTTTGGCCGCGCTCCATGCAGCGCTACGCGCGGGGCGCGCGGGG
CGCGGGGCCCGGGCTGGGGGACGAGCGCGATGGGGGGCCACGGGGGGCCCGGCCGCGCCGCTCC
TCCTCGGCGCTGCCCGCCGCGCCGGGGCAGCGTGTCCCGGGCGGGCGGGGCCCTGCTCACCGGC
GGCGCGCGCTGCACATCTCCGCGCCGCGCGCCGCAAGGCCACCCTCTACTGCCGCGTCTTCTGCTC
GACGGGACCGAAGTGAGCGTGGACCTGCCGAAACATGCCAAAGGCCAGGATTTGTTTGATCAGATTGTG
TACCACCTGGACCTTGTGAAACAGATTACTTTGGCTCCAGTTCCTCGACTCTGCCAGGTTGCGCAC
TGGCTGGATCATGCCAAACCCATAAAAAAGCAGATGAAAATTGGACTGCTTATGCTTTACACTTTCGA
GTAAATACTATTCTTCAGAACCAACAACCTTCGTGAGGAGTTACAAGGTACCTGTTTGTTTTACAA
CTCAGGCATGACATTCTTCTGAAAAATTGAAATGCCCTTATGAAACAGCTGTGGAATTAGCTGCTCTC
TGCTACAAGCGGAGCTTGGGGAGTGCAGCTTCCAGAACACACCAGAGCTTGTGTCTGAGTTTCGG
TTCAATCCAAATCAGACAGAAGCAATGGAATTTGATATCTCCAGAGATGAAAAGAGTGCAGGGGAAAG
AGCCCTGCCAGGCGGAACCTCTCTATCTGAATAAAGCGAAGTGCTGGAATGTATGGGTAGACATG
CACGTTGTGAGGGGAAGAGATGGCTGTGAATTTCTTTGGACTGACCCCGACAGGCATATTAATCTTT
GAAGGAGCTAACAAAATAGGCTTATTCTTTTGGCTAAAATTACCAAAATGGATTTTAAAAAGAGCAAA
TTGACACTCGTGGTGGTGCAGGATGATGATCAGGGACGTGAGCAAGACACACGTTTGTGTTCCGGTTA
GACAGTGCCAGGACCTGCAACACCTTTGGAAGTGTGCAGTTGAGCACCACGATTTCCGACTGCGG
ACGCCAGGAAACAGCAAATCCAATAGATCCGACTTATCAGGCTGGGCTCTCGCTTCAGATTAGTGGG
CGGACAGAATATCAAGCTACACATGGCTCCAGGTTACGAAGAACCAGCACCTTTGAGAGGAAGCCTAGT
AAACGTTATCCATCCCGAGACATTCAAGCTTCAAAGCAAGCAACCCAGTGATAGCAGCCAGCTCTGC
TCTAAAACAAATCCAGAAGTCCATAATTACCAGCCTCAATATCATCCTAATATCCATCCCAGCCAGCCC
CGGTGGCATCCTCACTCTCCAAATGTCAGGCCATCCTTTCAGGATGACAGGTCGATTGGAAGCATCG
GCCAGTGGAGATGACAGCCATTTTGATTATGTCCAGCAGCAGAACCAAGAAGCAACTTAGGAGGGATGCAA
AGTATGATGTATCGAGATAAACTCATGACTGCACCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_018424

Insert Size:	1557 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.
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_018424.3
RefSeq Size:	4030 bp
RefSeq ORF:	1557 bp
Locus ID:	54566
UniProt ID:	Q9H329
Cytogenetics:	9q31.3
MW:	58.6 kDa
Gene Summary:	<p>Up-regulates the activity of the Rho guanine nucleotide exchange factor ARHGEF18 (By similarity). Involved in the regulation of the circumferential actomyosin belt in epithelial cells (PubMed:22006950). Promotes cellular adhesion, migration and motility in vitro and may play a role in wound healing (PubMed:23664528). May have a role in mediating cytoskeletal changes associated with steroid-induced cell differentiation (PubMed:14521927). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform 1 which is shorter and has a distinct C-terminus, compared to isoform 2.</p>