

Product datasheet for **SC125251**

EHM2 (EPB41L4B) (NM_019114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EHM2 (EPB41L4B) (NM_019114) Human Untagged Clone
Tag:	Tag Free
Symbol:	EHM2
Synonyms:	CG1; EHM2; LULU2
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_019114, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCGGTTCTGCGCCGACCTTTGGCCGCCGCTCCATGCAGCGCTACGCGCGGGGCGCGCGGGGC
GCGGGGCCGCGGGGCTGGGGGACGAGCGCGATGGGGGGCCACGGGGGGCCCGCCGCCGCCCTCCTC
CTCGGCGCTGCCGCGCGCCCGGGGGCAGCGTGTTCGCGCGGGCGGGGCCCTGCTCACGCGCGG
GCGGCCGTGCACATCTCCGCCGCGCGCGCCAAAGGCCACCCTACTGCCGCGTCTTCTGCTCGACG
GGACCGAAGTGAGCGTGGACCTGCCGAAACATGCCAAAGGCCAGGATTTGTTTGATCAGATTGTGTACCA
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GATCATGCCAAACCCATAAAAAAGCAGATGAAAATTGGACCTGCTTATGCTTTACACTTTGAGTTAAAT
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TGACATTCTTTTGAAAATTGAAATGCCCTTATGAAACAGCTGTGAATTAGCTGCTCTGTCTACAA
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GGCGGAATCTCCTATCTGAATAAAGCGAAGTGGCTGGAATGTATGGGGTAGACATGCAGTGTGTCAGG
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AATGGGGGCACACCGTTCCTCACCGCAGCTTCCAGAAAGGCATCACACCAGCACCAGCATCAGCATCAGC
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AGACATTTACACCACCCGAAACCTGTTTCTCTGGCAGCCAGTGCAGAGACACTCCGGCAGGAACTGGA
GAGAGAGAAGATGATGAAAAGACTGTTGATGACCGAACTGTGA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_019114 unedited CGCATTTTGTAAATACGACAGACTATAGGGCGGCCGCAATTCGGCACCAGGCTGGCCGGG CCGGCGCGCCCGCGGGCGGCTGAGCGCGGCTCGGCCTCGGCGCGGGCTTGCCCGGGC CGTAGCCCGCAGAGGGCGGCGGGCGGCGGAGGGCACTACGGCGTCGCGGGACGCTCC CGGGCGGCGGCGCAGCGGCAGCGGCAGCGGCAGCGCAGGGGGCGGAGGCAGGGG GCGCCCCAGCCAGGATGCTGCGGTTCTGCGCCGACCTTTGGCCGCGCTCCATGCAG CGCTACGCGCGGGGCGCGGGCGGCGGGCCCGGGCTGGGGGACGAGCGCATGGG GGGCCACGGGGGCGCCGCGCCGCGCNCNCNCNCNCGCGCGGCCCGCGCGCCCGG GGCAGCGTCGCCCGGGCGGGCGGGCCCGGCCACCGCGGGGNCGCCGNGCCCN NCCCCGCCCGCGCGGGCGAAGGCNCCCCGCGCGGCCGCGCNCNCGCGCGCCCGG CCCCGCCNGGGCGCGGCCCGCGGGCGCGCNGGGCCCGGNCGGCGCGGGCCGNC NGGGCCCCNCCCCGCGCGCGGCCCGCGGNGCNGCGGCGCGGCCNCCCCGCGCGCC CGGGGGGCCCCCGCGGGCGCGGNGGCCGCCCGCGCGCGGNCGGCNCGCCCN GGGCGGGNCGCCGCGCCCGGGGAAAGACGGACNGGAGAGAGAAA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_019114 unedited CTGCATGGCAACTTCCCAGGAGAGAGGCACTGGGGAGGGTACAGGGATGCCACCCG GGATCTGTTCAGGAAACAGCTATGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTT TTTTTTTGGTTCAATGATAAATTCTGTTTATTCCAAATAATATCATATCCAAGGATT CACAAGTAAATTATATTTAGATTAAGCTGAAGTACCTTCAGTCATAGTATGTAAC TTTCTTTTTTAGTTCTTCTACTCACATCTGAATACAAATGAATGTTAAAGACTTTATA GATCTGTGATTTATCAGTGTAATGAAAACCAGCAATAAAGAATTATCTTTTCATTAA AAATGACTCTTTAACAAACAGTCAAAGCTCGGTGCAAGTTTCAATCATACAAAATCAAAT GGTTGAAATTGATAGTAAAGATCCTACATCATATTAACCCCTGTGGTTATTAACAGATA CACACAGTACTTCTGAAAAGGAATCCCGTTTTCCCATCTTTCTTTCTAGACTTATCA AATCTGTCTCAACTACATAGAGTAATAGAAAACTCTAATGCTTAGGAGACATAAAATA ACTTTTCCATAAAAAGTCAAGCCAGAAATTGGCTTCAACTAACCATGGAGACCTGGGCGA ACAAAGCACACACCTGTATGCTGTGCTAGAGTGAGCACACAAAGCCGAAGAAAGAGACG GACAGANGGACCATGCCATCTTCCAGTGACAGGGGAGATTACAGTCGTCATAACGT
Restriction Sites:	NotI-NotI
ACCN:	NM_019114
Insert Size:	3900 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_019114.2](#), [NP_061987.2](#)

RefSeq Size: 5582 bp

RefSeq ORF: 2742 bp

Locus ID: 54566

UniProt ID: [Q9H329](#)

Cytogenetics: 9q31.3

Domains: B41

Gene Summary: 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]

Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.