

Product datasheet for **SC310901**

HEPACAM2 (NM_001039372) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEPACAM2 (NM_001039372) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEPACAM2
Synonyms:	MIKI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310901 representing NM_001039372.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGGACAGGATGCTTTTCATGGAGCCCTTCGGTGACACACTTGGGGTCTTTCAGTGCAAAATATACCTC
CTTCTCTTCGGTGCTTGGCTCGGGGCTGAAGGTGACAGTGCCATCACACACTGTCCATGGCGTCAGAGGT
CAGGCCCTCTACCTACCGTCCACTATGGCTTCCACACTCCAGCATCAGACATCCAGATCATATGGCTA
TTTGAGAGACCCACACAATGCCAAATACTTACTGGGCTCTGTGAATAAGTCTGTGGTTCTGACTTG
GAATACCAACACAAGTTCACCATGATGCCACCAATGCATCTCTGCTTATCAACCACTGCAGTTCCTT
GATGAAGGCAATTACATCGTGAAGGTCAACATTCAGGGAAATGGAATCTATCTGCCAGTCAGAAGATA
CAAGTCACGGTTGATGATCCTGTCAAAAGCCAGTGGTGCAGATTCATCTCCCTCTGGGGCTGTGGAG
TATGTGGGAACATGACCCTGACATGCCATGTGAAGGGGGCACTCGGCTAGCTTACCAATGGCTAAAA
AATGGGAGACCTGTCCACACCAGCTCCACCTACTCCTTTTCTCCCAAAACAATACCCTTCATATTGCT
CCAGTAACCAAGGAAGACATTGGGAATTACAGCTGCCTGGTGAGGAACCTGTGAGTAAATGGAAGT
GATATCATTATGCCCATCATATATTATGGACCTTATGGACTTCAAGTGAATTCTGATAAAGGGCTAAAA
GTAGGGGAAGTGTACTGTTGACCTTGGAGAGGCCATCTATTTGATTGTTCTGCTGATTCTCATCCC
CCCAACACCTACTCCTGGATTAGGAGGACTGACAATACTACATATATCATTAAAGCATGGGCCTCGCTTA
GAAGTTGCATCTGAGAAAGTAGCCAGAAAGACAATGGACTATGTGTGCTGTGCTTACAACAACATAACC
GGCAGGCAAGATGAAACTCATTTACAGTTATCATCACTTCCGTAGGACTGGAGAAGCTTGACAGAAA
GGAAAATCATTGTACCTTTAGCAAGTATACTGGAATATCACTATTTTGTATTATCCATGTGCTT
CTCTTCTATGGAAAAATATCAACCTACAAAGTTATAAAACAGAACTAGAAGGCAGGCCAGAAAACA
GAATACAGGAAAGCTCAAACATTTTCAGGCCATGAAGATGCTCTGGATGACTTCGGAATATATGAATTT
GTTGCTTTTCCAGATGTTTCTGGTGTTCAGGATCCCAAGCAGGTCTGTTCCAGCCTCTGATTGTGTA
TCGGGGCAAGATTGCACAGTACAGTGTATGAAGTTATTCAGCACATCCCTGCCAGCAGCAAGACCAT
CCAGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001039372

Insert Size: 1389 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:

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_001039372.2](#)

RefSeq Size: 2156 bp

RefSeq ORF: 1389 bp

Locus ID: 253012

UniProt ID: [A8MWW5](#)

Cytogenetics: 7q21.2

Protein Families: Transmembrane

MW: 51.4 kDa

Gene Summary: This gene encodes a protein related to the immunoglobulin superfamily that plays a role in mitosis. Knockdown of this gene results in prometaphase arrest, abnormal nuclear morphology and apoptosis. Poly(ADP-ribosylation) of the encoded protein promotes its translocation to centrosomes, which may stimulate centrosome maturation. A chromosomal deletion including this gene may be associated with myeloid leukemia and myelodysplastic syndrome in human patients. [provided by RefSeq, Oct 2016]
Transcript Variant: This variant (1) encodes isoform 1.