

Product datasheet for **RC238505**

HEPACAM2 (NM_001288804) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEPACAM2 (NM_001288804) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HEPACAM2
Synonyms:	MIKI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC238505 representing NM_001288804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGACAGGATGCTTTTCATGGAGCCCTTCGGTGACACACTTGGGGTCTTTCAGTGCAAAATATACCTCC
 TTCTCTTCGATATTGTTGCAAACTGTTTACTGCTTCGTTTTAAGTTATCTGTCTCATCTTATGAAATATG
 GAAGAAAGGTGCTTGCTCGGGGCTGAAGGTGACAGTGCCATCACACACTGTCCATGGCGTCAGAGGTCAG
 GCCCTCTACCTACCCGTCCACTATGGCTTCCACACTCCAGCATCAGACATCCAGATCATATGGCTATTTG
 AGAGACCCACACAATGCCCAAATACTTACTGGGCTCTGTGAATAAGTCTGTGGTTCCTGACTTGAATA
 CCAACACAAGTTCACCATGATGCCACCAATGCATCTCTGCTTATCAACCCACTGCAGTTCCTGATGAA
 GGCAATTACATCGTGAAGGTCAACATTCAGGGAATGGAATCTATCTGCCAGTCAGAAGATACAAGTCA
 CGGTTGATGATCTGTCAAAAGCCAGTGGTGCAGATTATCCTCCCTCTGGGGCTGTGGAGTATGTGGG
 GAACATGACCCTGACATGCCATGTGAAGGGGGCACTCGCTAGCTTACCAATGGCTAAAAAATGGGAGA
 CCTGTCCACACAGCTCCACCTACTCCTTTTCTCCCAAAACAATACCCTTCATATTGCTCCAGTAACCA
 AGGAAGACATTGGGAATTACAGCTGCCTGGTGAGGAACCTGTCAAGTGAATGGAAGTGATATCATTAT
 GCCCATCATATATTATGGACCTTATGGACTTCAAGTGAATTCTGATAAAGGGCTAAAAGTAGGGGAAGTG
 TTTACTGTTGACCTTGGAGAGGCCATCCTATTTGATTGTTCTGCTGATTCTATCCCCCAACACCTACT
 CCTGGATTAGGAGGACTGACAATACTACATATATCATTAAAGCATGGGCTCGCTTAGAAGTTGCATCTGA
 GAAAGTAGCCAGAACACAATGGACTATGTGTGCTGTGCTTACAACAACATAACCGGCAGGCAAGATGAA
 ACTCATTTACAGTTATCATCACTTCCGTAGGACTGGAGAAGCTTGCACAGAAAGGAAAAATCATTGTCAC
 CTTTAGCAAGTATAACTGGAATATCACTATTTTGTATTATATCCATGTGCTTCTCTTCTATGAAAAA
 ATATCAACCCTACAAAGTTATAAAACAGAAACTAGAAGGCAGGCCAGAAACAGAATACAGGAAAGCTCAA
 ACATTTTCAGGCCATGAAGATGCTCTGGATGACTTCGGAATATATGAATTTGTTGCTTTTCCAGATGTTT
 CTGGTGTTCAGGATCCCAAGCAGGTCTGTTCCAGCCTCTGATTGTGTATCGGGCAAGATTTGCACAG
 TACAGTGTATGAAGTTATTCAGCACATCCCTGCCAGCAGCAAGACCATCCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238505 representing NM_001288804
 Red=Cloning site Green=Tags(s)

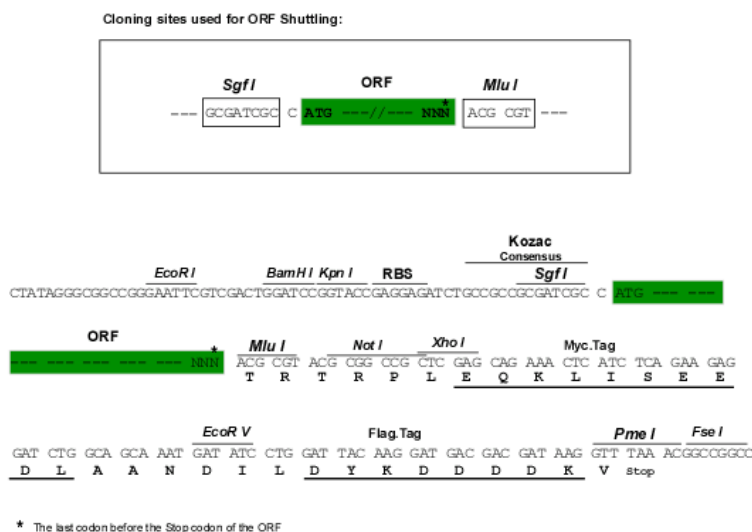
MGQDAFMEPFGDTLGVFQCKIYLLLFDIVANCLLLRFKLSVSSYEIWKKGACSGLKVTVPSTVHGVGRGQ
 ALYLPVHYGFHTPASDIQIIWLFERPHTMPKYLLGSVNKSVVPDLEYQHKFTMMPPNASLLINPLQFPDE
 GNYIVKVNIIQNGTLSASQKIQVTVDVPTKPVVQIHPPSGAVEYVGNMTLTCHVEGGTRLAYQWLKNGR
 PVHTSSTYSFSPQNNTLHIAPVTKEDIGNYSCLVRNPVSEMEDIIIMPIIYYGPYGLQVNSDKGLKVGEV
 FTVDLGEAILFDCSADSHPPNTYSWIRRTDNTTYIIKHGPRLEVASEKVAQKTM DYVCCAYNNITGRQDE
 THFTVIITSVGLEKLAQKGKSLSPASITGISLFLIISMCLLFLWKYQPYKVIKQKLEGRPETEYRKAQ
 TFSGHEDALDDFGIYEFVAFPDVSGVSRIPSRVPASDCVSGQDLHSTVYEVIQHIPAQQQDHPE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001288804

ORF Size: 1455 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001288804.3](#)

RefSeq Size: 2225 bp

RefSeq ORF: 1458 bp

Locus ID: 253012

UniProt ID: [A8MVW5](#)

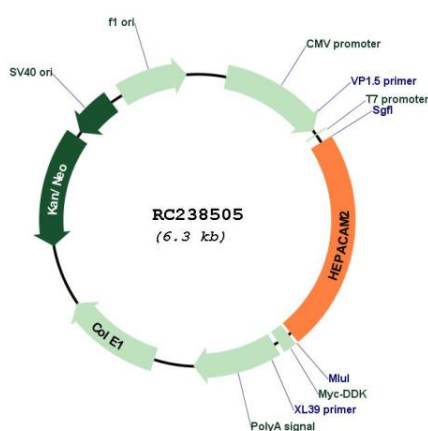
Cytogenetics: 7q21.2

Protein Families: Transmembrane

MW: 54.6 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]

Product images:



Circular map for RC238505