

Product datasheet for **RC212222**

HEPACAM2 (NM_198151) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEPACAM2 (NM_198151) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HEPACAM2
Synonyms:	MIKI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC212222 representing NM_198151
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTCAAGTCTTCACAACTTTCCTTTCCTTTGCAACAGGTGCTTGCTCGGGGCTGAAGGTGACAG
 TGCATCACACACTGTCCATGGCGTCAGAGGTCAGGCCCTCTACCTACCGTCCACTATGGCTTCCACAC
 TCCAGCATCAGACATCCAGATCATATGGCTATTTGAGAGACCCACACAATGCCAAATACTTACTGGGC
 TCTGTGAATAAGTCTGTGGTTCCTGACTTGAATACCAACACAAGTTCACCATGATGCCACCCAATGCAT
 CTCTGCTTATCAACCCACTGCAGTTCCTGATGAAGGCAATTACATCGTGAAGGTCAACATTCAGGGAAA
 TGGAACTCTATCTGCCAGTCAGAAGATAACAAGTACCGTTGATGATCCTGTACAAAGCCAGTGGTGCAG
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 CTCGGCTAGCTTACCAATGGCTAAAAATGGGAGACCTGTCCACACCAGCTCCACCTACTCTTTTCTCC
 CAAAACAATACCCTTCATATTGCTCCAGTAACCAAGGAAGACATTGGGAATTACAGCTGCCTGGTGAAG
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 TGAATTCTGATAAAGGGCTAAAAGTAGGGGAAGTGTTTACTGTTGACCTTGAGAGGCCATCCTATTTGA
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 AAGGCAGGCCAGAAACAGAATACAGGAAAGCTCAAACATTTTCAGGCCATGAAGATGCTCTGGATGACT
 CGGAATATATGAATTTGTTGCTTTTCCAGATGTTTCTGGTGTTCAGGATCCCAAGCAGGCTGTGTCCA
 GCCTCTGATTGTATCGGGCAAGATTTGCACAGTACAGTGTATGAAGTATTACAGCACATCCCTGCC
 AGCAGCAAGACCATCCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212222 representing NM_198151
 Red=Cloning site Green=Tags(s)

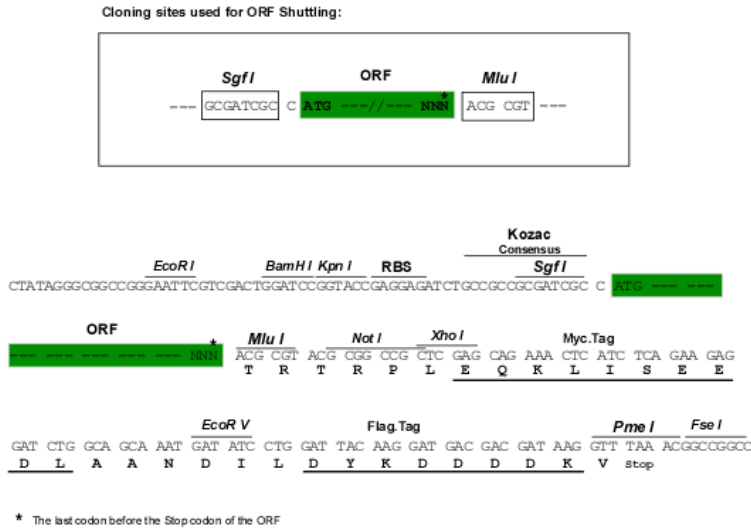
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 IKHGPRLEVA~~SEKVA~~QKTM~~DYVCCAY~~NNITGRQDETHFTVIT~~SVGLE~~KLAQK~~GSLS~~SPLASITGISLFL
 IISMCLLFLWKKYQPYKVIKQKLEGRPE~~TEYRKAQ~~TFSGHEDALDDFGIYEFVAFPDVSGVSRIPSR~~SV~~P
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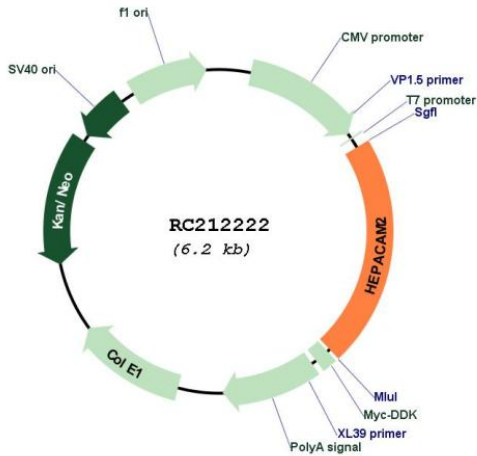
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_198151

ORF Size:

1350 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.

RefSeq: [NM_198151.4](#)

RefSeq Size: 2110 bp

RefSeq ORF: 1353 bp

Locus ID: 253012

UniProt ID: [A8MWW5](#)

Cytogenetics: 7q21.2

Protein Families: Transmembrane

MW: 49.9 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]