

Product datasheet for **RG221826**

HEPACAM2 (NM_001039372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEPACAM2 (NM_001039372) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HEPACAM2
Synonyms:	MIKI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG221826 representing NM_001039372
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGACAGGATGCTTTTCATGGAGCCCTTCGGTGACACACTTGGGGTCTTTCAGTGCAAAATATACCTCC
 TTCTCTTCGGTGCTTGTCTCGGGGCTGAAGGTGACAGTGCCATCACACACTGTCCATGGCGTCAGAGGTCA
 GGCCCTCTACCTACCGTCCACTATGGCTTCCACACTCCAGCATCAGACATCCAGATCATATGGCTATTT
 GAGAGACCCACACAATGCCAAATACTTACTGGGCTCTGTGAATAAGTCTGTGGTTCCTGACTTGAAT
 ACCAACACAAGTTCACCATGATGCCACCAATGCATCTCTGCTTATCAACCCACTGCAGTTCCCTGATGA
 AGGCAATTACATCGTGAAGGTCAACATTAGGGAAATGGAAGTCTATCTGCCAGTCAGAAGATACAAGTC
 ACGGTTGATGATCCTGTCAAAAGCCAGTGGTGCAGATTATCCTCCCTCTGGGGCTGTGGAGTATGTGG
 GGAACATGACCTGACATGCCATGTGAAGGGGGCACTCGGCTAGCTTACCAATGGCTAAAAATGGGAG
 ACCTGTCCACACAGCTCCACCTACTCCTTTTCTCCCAAAACAATACCCTTCATATTGTCCAGTAACC
 AAGGAAGACATTGGGAATTACAGCTGCCTGGTGAGGAACCTGTCAAGTGAATGGAAGTATATCATT
 TGCCCATCATATATTATGGACCTTATGGACTTCAAGTGAATTCTGATAAAGGGCTAAAAGTAGGGGAAGT
 GTTTACTGTTGACCTTGGAGAGGCCATCCTATTTGATTGTTCTGCTGATTCTCATCCCCCAACACCTAC
 TCCTGGATTAGGAGGACTGACAATACTACATATATCATTAAAGCATGGGCCTCGCTTAGAAGTTGCATCTG
 AGAAAGTAGCCAGAGACAATGGACTATGTGTGCTGTGCTTACAACAACATAACCGGCAGGCAAGATGA
 AACTCATTTCACAGTTATCATCACTTCCGAGGACTGGAGAAGCTTGACAGAAAGGAAAATCATTGTCA
 CCTTTAGCAAGTATAACTGGAATATCACTATTTTTGATTATATCCATGTGTCTTCTCTTCTATGAAAA
 AATATCAACCCACAAAGTTATAAAACAGAACTAGAAGGCAGGCCAGAAACAGAATACAGGAAAGCTCA
 AACATTTTCAGGCATGAAGATGCTCTGGATGACTTCGGAATATATGAATTTGTTGCTTTTCCAGATGTT
 TCTGGTGTTCAGGATCCCAAGCAGGTCTGTTCCAGCCTCTGATTGTGTATCGGGCAAGATTGCACA
 GTACAGTGTATGAAGTTATTCAGCACATCCCTGCCAGCAGCAAGACCATCCAGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG221826 representing NM_001039372
 Red=Cloning site Green=Tags(s)

MGQDAFMEPFGDTLGVFQCKIYLLLFACSGGLKVTVPSTVHGVGRQALYLPVHYGFHTPASDIQIIWLF
 ERPHTMPKYLLGSVNKSVVPDLEYQHKFTMMPPNASLLINPLQFPDEGNYIVKVNIQNGNLTASQKIQV
 TVDDPVTKPVVQIHPPSGAVEYVGNMNTLCHVEGGTRLAYQWLKNGRPVHTSSTYSFSPQNNTLHIAPVT
 KEDIGNYSCLVRNPVSEMESDIIMPIIYGYGLQVNSDKGLKVGEVFTVDLGEAILFDCSADSHPPNTY
 SWIRRTDNTTYIIKHGPRLEVAASEKVAQKTMQVCCAYNNITGRQDETHFTVITISVLEKLAQKGSLS
 PLASITIGISLFLIISMCLLFLWKYQPYKVIKQKLEGRPETEYRKAQTFSGHEDALDDFGIYEFVAFPDV
 SGVSRIPSRVSPASDCVSGQDLHSTVYEVIQHIAQQQDHPE

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001039372

ORF Size: 1386 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_001039372.4](#)

RefSeq Size: 2092 bp

RefSeq ORF: 1389 bp

Locus ID: 253012

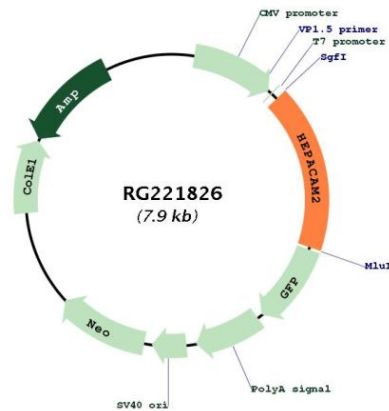
UniProt ID: [A8MWW5](#)

Cytogenetics: 7q21.2

Protein Families: Transmembrane

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 RG221826