

Product datasheet for **MC216350**

Hepacam2 (NM_178899) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Hepacam2
Synonyms:	AI987662
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC216350 representing NM_178899
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGACAGGATGCTTTTATGGAGCTTCTCAGAAGCATGGTTGGGCTCTCTTTGCAAAATACACCTTC
 TTCTTATAGCAGGTTCTTGTCTGGGACTGAAGGTGACCGTGCCGTATACACTGTCCACGGCATCAGGGG
 ACAGGCCCTCTACCTCCAGTGCATATGGCTTCCACACTCCAGCATCTGACATCCAGATCATATGGCTG
 TTTGAAAGATCCCACACAATGCCAAATACTTGTAGGCTCCGTTAATAAGTCTGTGGTTCTGACTTGG
 AATACCAGCACAAGTTCACCATGATGCCACCAATGCATCTCTGCTCATCAACCCGCTGCAGTTCACCGA
 TGAGGGCAATTACATCGTGAAGGTCAACATCCAGGGGAATGGAACCTCTGTCTGCAAGTCAGAAGATACAA
 GTCATGTCGATGATCCTGTCTGAAGCCAATGGTTCAGTTCATCCTGCTTCTGGGGCTGTTGAGTATG
 TGGGCAACATTACCTTGACCTGCCAGGTAGAAGGAGGTACCAGGCTGGTTACCAGTGGCGAAAAAGTGG
 GAAACCCATTTCCATCACTCCAGCCACTCTTTTCTCCCCAAAACAACCCCTTTGGATTGTTCCAGTG
 ACAAAAGAAGCATTGGAAGTACACCTGCCTCGTGTCAAACCCCGTCAGTGAGATGGAAAGTGATATCA
 TTATGCCCACCATATATTATGGACCTTATGGACTTCAGGTTAATTCTGATAAAGGGGTAAGTGGGAGA
 AGTATTCAGTGTGACCTGGGAGAAGCTGTCTCTTGTGCTTACAGTGATTCCTTATCCCCTAACACC
 TACTCTGGATCCAAAGATCTGACAATACTACATATGCTAAGCATGGGCTCATTAGAAAGTTGCAT
 CTGAGAAAGTGGCCAGAGACAGCTGACTATGTGTCTGTGCTTACAACAACATCACCGGAAGACGCGA
 TGAAACTCGATTACAGTCATCATAACTTCCGTAGGACTGGAGAAGCTTGCACAAAGGGGAAAAATCCCTG
 TCCCCACTAGCAAGTATAACTGGAATATCACTGTTTTTGTATTATCCATGTGCCTTCTTTTCTGTGGA
 AAAAAATATCAACCTTACAAAGCTATAAGACAGAAGCTAGAAGGCAGACCAGAGTCAGAATACAGAAAAGC
 TCAAACATTTTCAGGCCATGAAGATGCCCTGAGTGACTTCGGGATCTACGAGTTTGTGACTTTTCCGGAT
 GCATCTGGTGTTCAGGATGTCAAGTAGGTCTTCCCCTGCCTCTGATGGTGTAAACAGGGCAAGATATTC
 ACGGAACAATTTATGAAGTCATTACAGCATATCCAGAACACAGCAAGAAAATACAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_178899

Insert Size:

1392 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:

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:	<u>NM_178899.5</u> , <u>NP_849230.1</u>
RefSeq Size:	2236 bp
RefSeq ORF:	1392 bp
Locus ID:	101202
UniProt ID:	<u>Q4VAH7</u>
Cytogenetics:	6 A1
Gene Summary:	Required during prometaphase for centrosome maturation. Following poly-ADP-ribosylation (PARsylation) by TNKS, translocates from the Golgi apparatus to mitotic centrosomes and plays a key role in the formation of robust microtubules for prompt movement of chromosomes: anchors AKAP9/CG-NAP, a scaffold protein of the gamma-tubulin ring complex and promotes centrosome maturation (By similarity).[UniProtKB/Swiss-Prot Function]