

Product datasheet for **MG218344**

Hepacam (NM_175189) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hepacam (NM_175189) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hepacam
Synonyms:	2900042E01Rik; Glialcam; Hepn1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218344 representing NM_175189 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAGAGAAAGGGGAGCCCTGTCAAGAGCCTCCAGGGCTCTGCGCCTCTCTCCTTTGTCTACCTGC
TTCTCATCCAGCCAGTCCCCCTGGAGGGGTGAACATCACCAGCCAGTACGTCTGATCCACGGCACAGT
GGGAAGTCGGCCCTGCTTCCGTGCAGTACGTAGCACCAGCAGCGACAAGCCCGTGGTGAAGTGGCAG
CTGAAGCGTGACAAGCCAGTGACCGTGGTGCAGTCTATAGGCACAGAGGTCATTGGCACTCTGCGCCCTG
ACTATCGAGACCGTATCCGGCTCTTTGAAAATGGCTCCTTGCTTCTCAGCGACCTGCAGTGGCGGATGA
GGGAACCTATGAAGTGGAGATTTCCATCACTGACGACACCTTCACCGGGGAGAAGACCATCAACCTCACC
GTGGATGTGCCCATTTCAAGGCCGAGGTATTAGTGGCTTCAACCACTGTGCTGGAGCTCAGTGAGGCCCT
TCACCCTCAACTGCTCCCATGAGAATGGCACCAGCCAGCTACACGTGGCTGAAGGATGGCAAACCCCT
CCTCAATGACTCCCGAATGCTCCTGTCCCTGACCAAAAGGTGCTCACCATCACCCGAGTACTCATGGAA
GATGACGACCTGTACAGCTGTGTGGTGGAGAACCCATCAGCCAGGTCCGCAGCCTGCCTGTCAAGATCA
CTGTGTATAGAAGAAGCTCCCTCTATATCATCTTGTCTACAGGAGGCATTTCTCCTTGTGACCCTGGT
GACAGTTTGTGCCTGCTGGAAACCCTCAAAAAGTCTAGGAAGAAGAGGAAGTTGGAGAAGCAAACTCC
TTGGAATACATGGATCAGAATGATGACCGCCTAAAATCAGAAGCAGATACCCTACCCGAAAGTGGAGAAC
AGGAGCGGAAGAACCCAATGGCACTCTATATCCTGAAGGATAAGGATTCCTCAGAGCCAGATGAAAACCC
TGCTACAGAGCCACGGAGCACCACAGAACCCTGCCCCCTGGCTACTCCGTGTCGCCGCCCGTGGCCGGC
CGCTCTCCGGGGTTCCCATCCGCTCAGCCCGCCGCTACCCGCGCTCCCAAGCAGGTTCCCTGCCACTG
GCCGGACGCACACGTCCGACCCGCGGCCCGAGCTCGCCAGGCCGCTCGCGCAGCTCTTCGCGCTCACT
GCGGACTGCAGCGTGCAGAGAATCCGGGAGCAGGACGAGTCAGGGCAGGTGGAGATCAGTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218344 representing NM_175189
 Red=Cloning site Green=Tags(s)

MKREREGALSRSRALRLSPFVYLLLIQVPVLEGVNITSPVRLIHGTVGKSALLSVQYSSTSSDKPVVKWQ
 LKRDKPVTVVQSIGTEVIGTLRPDYRDRIRLFENGSLLLSDLQLADEGTYEVEISITDDTFTGEKINLT
 VDVPISRPOVLVASTTVLELSEAFTLNCSHENGTKPSYTWLKDGP LLNDSRMLLSPDQKVLITITRVLME
 DDDL YSCVVENPISQVRS L PVKITVYRRSLYIILSTGGIFLLVTLVTVCACWKPSKSRKKRLEKQNS
 LEYMDQNDRLKSEADTLPRSGEQERKNPMALYILKDKDSSEPDPATEPRSTTEPGPPGYSVSPVPG
 RSPGLPIRSARRYPRSPARSPATGRTHTSPPRAPSSPGRSRSSRSLRTAGVQRIREQDESQVEISA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175189

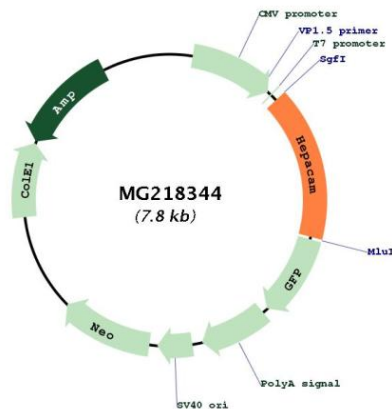
ORF Size: 1254 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_175189.4, NP_780398.2</u>
RefSeq Size:	3103 bp
RefSeq ORF:	1257 bp
Locus ID:	72927
UniProt ID:	<u>Q640R3</u>
Cytogenetics:	9 A4
Gene Summary:	Involved in regulating cell motility and cell-matrix interactions. May inhibit cell growth through suppression of cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG218344