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Product datasheet for MR216950

Habp4 (NM_019986) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Habp4 (NM_019986) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Habp4
Synonyms:	4933413D03Rik; 4933428J01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR216950 representing NM_019986
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGGGGCCCTGGGGAGCCCTGTAGCCGCCGCGGGCGCCGCGATGCAGGAGACGTTCGGCTGCGTCG
TGGCCAACCGCTTCCATCAGCTGCTGGACGACGAGTCGGACCCGTTCGACATCCTGCGGGAGGCCGAGCA
CCGGCGCCAGCAGCAGCTGCAGCGCAAGCGTCGCGATGAGGCGGCGGCGGCGGCCAGCGGGGCCGGGCAC
CGTGGCGGCAGGAGCCCGGCTGTGGCCTCAGGACACAGGCCTGGCGCAGGCGGCCGCAGGGAGTCGCAGA
AGGAGCGCAAGAGCCTCGCGGCGTCCGGCGCACAGCAGCCAGACAGCCCTGGGGGCCCGCAGCCGCCAGG
CCAGAAGCGGACTCCTCGAAGAGGGGAGCAGCAAGGATGGAATGACAACAGGGGGACAGACGTGGTGCTT
GAAAGAGCAGAGCGAAGGTCCTACAGGGAATACCGGCCCTATGAGACTGAGAGACAGGCTGACTTGCCAG
TGGAGAAGTTTACCGATGAAAAACCAGTTGACAGGTTTGATCGAGACAGACCACTGAGAGGACGTGGAGG
CCCCAGAGGAGGCCTGAGGAGCAGAGGCCGAGGCGGTCCTGGGAACAGAGCTTTTGACTCCTTTGACCAA
AGAGGGAAACGAGACTTTGAGAGATACAGTAGCAATGATAAAACAAACAGAATGGAGGACAGCATGGGTG
GCTGTGGCATTCGCCCCTGGGGATCAGGTAAAGACACTAGTGATACAGAGCCACCTGCACCCATGGAAGA
GACCTCGATGATGGAGGAGTGCCAGGGCGCCCTGGACGAGGAGTCTGCAGCCAAAGTTCCTGAGTTGGAG
GTAGAAGAGGAAAACCAAGTCCAAGAGATGACCTTAGATGAGTGGAAAAACCTTCAAGAACAAACCAGAC
CAAAGCCTGAGTTCAATATTCGGAAGCCAGAGTCCACAGTTCCTTCCAAGGCAGTGGTGATTCACAAGTC
CAGATACAGAGACGATATGGTGAAGGAGGACTATGAGGATGAGTCTCACGTCTTCCGGAAAGCTGCCAAT
GACATCACATCCCAGCTGGAGATTAACTTTGGTAACCTCCCTCGCCCTGGTCGGGGAGCCAGAGGCAGCA
CCCGGGGAGGCCGAGGGAGAATGAGAAGAACAGAGAACTATGGCCCCCGTGCAGAAGTGGTGACCCAAGA
TGTTGCTCCCAACCCGGATGACCCTGAGGACTTCCCCGCCCTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>MR216950 representing NM_019986
Red=Cloning site Green=Tags(s)

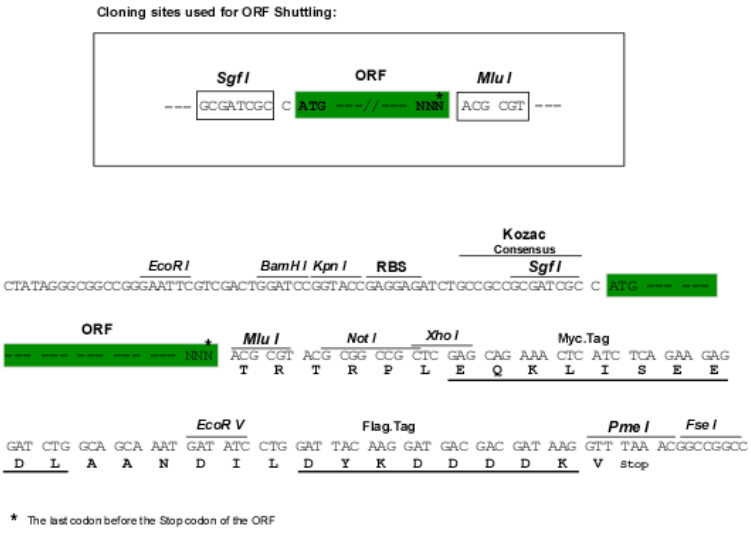
MKGALGSPVAAAGAAMQETFGCVVANRFHQLLDDESDPFDILREAEHRRQQQLQRKRRDEAAAAASGAGH
RGGRSPAVASGHRPGAGGRRESQKERKSLAASGAQQPDSPGGPQPPGQKRTPRRGEQQGWNDNRGTDVVL
ERAERRSYREYRPYETERQADLPVEKFTDEKPVDRFDRDRPLRGRGGPRGGLRSRGRGGPGNRAFDSFDQ
RGKRDFERYSSNDKTNRMEDSMGGCGIRPWGSGKDTSDTEPPAPMEETSMMEECQGALDEESAAKVPELE
VEEENQVQEMTLDEWKNLQEQTRPKPEFNIRKPESTVPSKAVVIHKSRYRDDMVKEDYEDESHVFRKAAN
DITSQLEINFGNLPRPGRGARGSTRGGRGRMRRTENYGPRAEVVTQDVAPNPDDPEDFPALA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019986

ORF Size: 1236 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_019986.3, NP_064370.2

RefSeq Size: 2584 bp

RefSeq ORF: 1239 bp

Locus ID: 56541

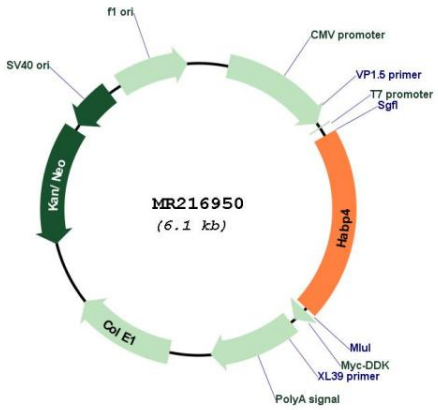
UniProt ID: Q9JKS5

Cytogenetics: 13 33.26 cM

MW: 46 kDa

Gene Summary: RNA-binding protein that plays a role in the regulation of transcription, pre-mRNA splicing and mRNA translation. Negatively regulates DNA-binding activity of the transcription factor MEF2C in myocardial cells in response to mechanical stress. Plays a role in pre-mRNA splicing regulation. Binds (via C-terminus) to poly(U) RNA. Involved in mRNA translation regulation, probably at the initiation step. Seems to play a role in PML-nuclear bodies formation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216950