

Product datasheet for **MG216950**

Habp4 (NM_019986) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Habp4 (NM_019986) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Habp4
Synonyms:	4933413D03Rik; 4933428J01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216950 representing NM_019986 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGGGGCCCTGGGGAGCCCTGTAGCCGCCGGGGCCCGCGATGCAGGAGACGTTCCGGCTGCGTCCG
TGGCCAACCGCTTCCATCAGCTGCTGGACGACGAGTCCGACCCGTTTCGACATCCTGCGGGAGGCCGAGCA
CCGGCGCCAGCAGCAGCTGCAGCGCAAGCGTCGCGATGAGGCGGGCGGGCCAGCGGGGCCGGGCAC
CGTGGCGCCAGGAGCCCGCTGTGGCCTCAGGACACAGGCCTGGCGCAGGCGGCCGAGGGAGTCCGAGA
AGGAGCGCAAGAGCCTCGCGGCTCCGGCGCACAGCAGCCAGACAGCCCTGGGGGCCCGAGCCGCCAGG
CCAGAAGCGGACTCCTCGAAGAGGGGAGCAGCAAGGATGGAATGACAACAGGGGGACAGACGTGGTCTT
GAAAGAGCAGAGCGAAGGTCTACAGGGAATACCGGCCCTATGAGACTGAGAGACAGGCTGACTTGCACG
TGGAGAAGTTTACCGATGAAAAACAGTTGACAGGTTTATCGAGACAGACCCACTGAGAGGACGTGGAGG
CCCCAGAGGAGGCTGAGGAGCAGAGGCCGAGGCGGTCTGGGAACAGAGCTTTTACTCCTTTGACCAA
AGAGGGAAACGAGACTTTGAGAGATACAGTAGCAATGATAAAACAACAGAAATGGAGGACAGCATGGGTG
GCTGTGGCATTGCCCCGGGGATCAGGTAAGACTAGTGATACAGAGCCACCTGCACCCATGGAAGA
GACCTCGATGATGGAGGAGTCCAGGGCCCGCTGGACGAGGAGTCTGCAGCCAAAGTTCTGAGTTGGAG
GTAGAAGAGGAAAACCAAGTCCAAGAGATGACCTTAGATGAGTGGAAAAACCTTCAAGAACAACCCAGAC
CAAAGCCTGAGTTCAATATTGGAAGCCAGAGTCCACAGTTCTTCCAAGGCAGTGGTGATTCACAAGTC
CAGATACAGAGACGATATGGTGAAGGAGGACTATGAGGATGAGTCTCACGCTTCCGGAAAAGCTGCCAAT
GACATCACATCCCAGCTGGAGATTAACCTTTGGTAACCTCCCTCGCCCTGGTGGGGAGCCAGAGGACGCA
CCCGGGGAGGCCGAGGGAGAATGAGAAGAACAGAGAACTATGGCCCCGTGCAGAAGTGGTGACCCAAGA
TGTTGCTCCCAACCCGGATGACCCTGAGGACTTCCCCGCCCTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216950 representing NM_019986
 Red=Cloning site Green=Tags(s)

MKGALGSPVAAAGAAMQETFGCVVANRFHQLLDDESDPFDILREAEHRRQQQLQRKRDEAAAAASGAGH
 RGGRRSPAVASGHRPGAGGRRESQKERKSLAASGAQQPDSPPGGPQPPGQKRTPRRGEQQGWNDNRGTDVVL
 ERAERRSYREYRPYETERQADLPVEKFTDEKPVDRFDRDRPLRGRGGPRGGLRSRGRGGPNRAFDSFDQ
 RGKRDFFERYSSNDKTNRMEDSMGGCGIRPWGSGKDTSDTEPPAPMEETSMMEECCQALDEESAANKVPELE
 VEEENQVQEMTLDEWKNLQEQRTPKPEFNIRKPESTVPSKAVVIHKSRYRDDMVKEDYEDESHVFRKAAN
 DITSQLEINFGNLRPRPGRGARGSTRGGRGRMRRTENYGPRAEVVTQDVAPNPDDPEDFPALA

TRTRPLE - GFP Tag - V

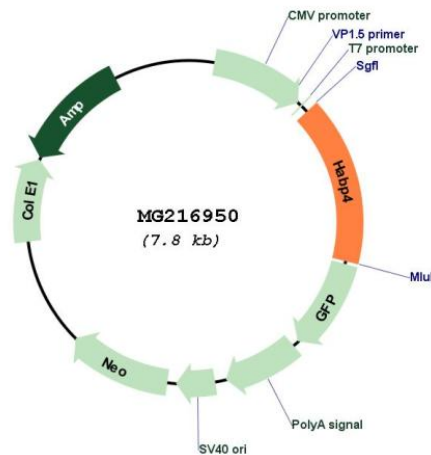
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	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
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]