

Product datasheet for **MG224253**

Hspbap1 (NM_175111) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hspbap1 (NM_175111) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hspbap1
Synonyms:	3830421G21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG224253 representing NM_175111
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGCAGGCTGCGAGGGCATCGCGCCCCGACCCTGGGCGAGAGAACTGTGGGGGAGGAAGGTGAAC
 CTGTCAAACCTTTTACACCAGAGAAAGCGAAAGAGATTATAATGTCTTTACAGCAGCCTGCAATCTTCTG
 TAACATGGTTTTTCGATTGGCCATCACGACACTGGACTGCGAAACACCTTTTGAAGGTCTTGAGGGCAAG
 CAGATACGGTTCAGAATGGGCTGAGAGGCACAGGCACAGTTCCTCAGTATGAAACCGAATGTAGTTATG
 TGGATGCGACGCTCGAGGAGTTTTGACCTGGAAGTGTGACCAGTCTAGTATCTCTGGACCATTCAAAGA
 TTATGAACATTCTAAATCTGGGCTTACGCTGACTATAAGTATTTTGTACTCTGTTTGAGGACAAGACA
 GATGTTTTCCAGGAGGTGGTGTGGTCTGACTTTGGGTTTCTGGAAGAAATGGACAAGAAAGTACACTGT
 GGATCGGGTCTTTGGAGCCCACTCCCTGCCATCTGGACTCCTATGGTTGCAACTTAGTATTCCAGGT
 ACAAGGAAGGAAAGATGGCATCTCTTCTCCTGAAGATACGCCTTTCTTTATCCAACCGAATTCTCT
 TACGAAGAGTCTAGTGTGTTCAGTAAAAATCAATGTTGTCAACCCTGATTTGAAGTGTTCCTCCAGTTCC
 AGAAAGCTCGAAGACATATGGTCACGTTGAGCCCAGGACAGGTTCTGTTTGTTCAGACACTGGTGGCA
 TTACGTGGAGTCTCTTGATCCTGTACCGTCAGTATAAACTCCTGGATTGAGCTGGAAGAGGACCACCTA
 GCGCGGTGGAGGAGGCCATCACCCGATGCTCGTGTGTACACTGAAGACTGCAGAGGACCCGACCACC
 CCAGGACCTGGCTGAACCCCACTGAGGTTGAGGAGACATCTCACGAGGTCAACAGCTGCTACTTGAACAG
 TGCTGTTTGTGCCTTTTTGATCATTGTGAAAAAGCTAAAGCAGTAGAGTTGCAAGTGTGAGCGCAAAAC
 GGGGCGGAGCCACGTGTGCAGGAGGAGCACATGGAAGTGGAGCAGGCCAGGGCCGAGCCTCACATCGA
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 CCCTGTGCCAGGAGACAGCAAAACAGCAAAAGGGCGAGCGCATTGACGGAGCCCTTGCCCGGAGGGGTC
 CTATGGCGCATTCTCGAGTCTTCGTGTCCACAGATGACTTGCTGGACTGCCTAGTTAATCCACAAGTAAC
 CAGGATGGTGGCCAGCTTTTGATACAAGGAAAAAGCTGTGATACTTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224253 representing NM_175111
 Red=Cloning site Green=Tags(s)

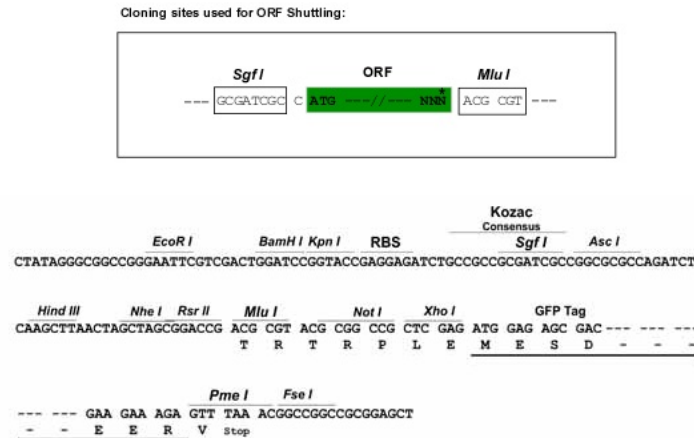
MAAGCEGIAPPTLGERTVGEEGEPVKPFTPEKAKEIIMSLQQPAIFCNMVFWDWPSRHWTAHLKLVLEGG
 QIRFRMGLRGTGTPQYETEC SYVDATLEEF LTWNCDQSSISGPFKDYEHKFWAYADYKYFVTLFEDKT
 DVFQEVVWSDFGFGRNGQESTLWIGSFGAHTPCHLDSYGCNLVFQVQGRKRWHLFPPEDTPFLYPTTRIP
 YEESVFSKINVVNPDLKCFPQFQKARRHMTLSPGQVLFVPRHWHYVESLDPVTVSINSWIELEEDHL
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 GAEPRVQEEHMEVEQAQGPSLTSRAEKQEAVSLFGPDLIPVTPASEERGGALEGDSEESVSSNGGHFAEL
 PCARRQTSKGASALTEPLAPRGPMASRVFVSTDDL DCLVNPQVTRMVAQLLIQKSCDTF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_175111

ORF Size: 1449 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175111.3](#), [NP_780320.2](#)

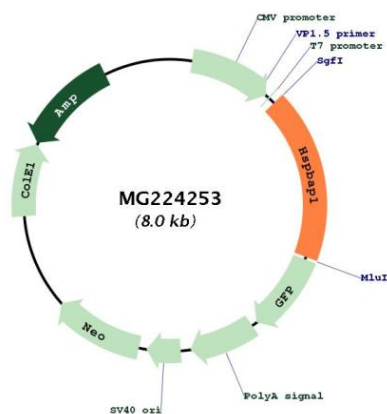
RefSeq Size: 4606 bp

RefSeq ORF: 1452 bp

Locus ID: 66667

UniProt ID: [Q8BK58](#)
 Cytogenetics: 16 B3
 Gene Summary: May play a role in cellular stress response.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224253