

Product datasheet for **MG201649**

Hspb2 (NM_024441) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hspb2 (NM_024441) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Hspb2
Synonyms: 27kDa; 2810021G24Rik; HSP27; MKBP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201649 representing NM_024441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGGCCGACAGTGCCACACGCCACCCAGCCACTGCCGAGTACGAATTTGCCAACCCAGCCGTC
 TGGGCGAGCAGTGCTTCGGAGAAGGCCTCCTGCCAGAAGAGATCCTGACCCACCCCTCTATCACGGCTA
 CTATGTTCCGGCTCGGGCCGACAGCTGGCGAGGGGCCAGGGCAGGGGCTCAGAGCTCAGGCTCAGT
 GAAGGCAAGTCCAGGCGTTTCTGGATGTGAGCCACTTTACCCAGATGAGGTGACGGTGAGGACTGTGG
 ATAACCTGCTGGAGGTGTCTGCCGACACCCCGCGTCTGGATCGCCACGGCTTCGTGTCCCGAGAGTT
 CTGTGCGACCTATGTCTGCCTGCAGATGTGGACCCCTGGCGGGTTCGAGCTGCTCTATCCCATGATGGC
 ATCCTTAACCTTGAGGGCCGCGGGGTGGCCGGCATTGGACACGGAAGTCAATGAAGTCTACATCTCCC
 TGCTTCTGCTCCTCCTGACCCGAGGAAGAGGAGATAGCCAGAGTTGAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201649 representing NM_024441
 Red=Cloning site Green=Tags(s)

MSGRTVPHAHPTAEYEFANPSRLGEQCFGEGLLPEEILTPTLYHGYYVRPRAARAGEGARAGASELRLS
 EGKFQAFLDVSHFTPDEVTVRTVDNLLVVSARHPQRLDRHGFVSREFCRTYYVLPADVDPWRVRAALSHDG
 ILNLEAPRGRHLDTEVNEVYISLLPAPPDPEEEEEIARVEP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_024441

ORF Size: 546 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_024441.2](#), [NP_077761.2](#)

RefSeq Size: 811 bp

RefSeq ORF: 549 bp

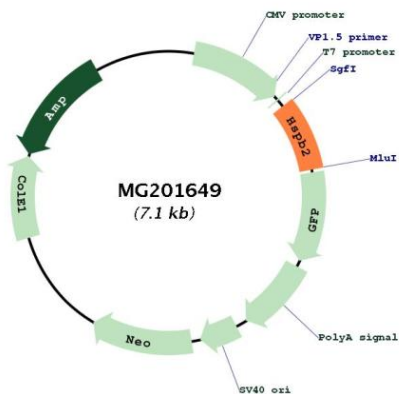
Locus ID: 69253

UniProt ID: [Q99PR8](#)

Cytogenetics: 9 27.75 cM

Gene Summary: May regulate the kinase DMPK.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201649