

## Product datasheet for **MG205444**

### Hspbp1 (NM\_024172) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hspbp1 (NM\_024172) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Hspbp1  
**Synonyms:** 1500019G21Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG205444 representing NM\_024172  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGCAGACAAAGGCTCAGGGGGCAGTCGCCTCCCTCTTGCGTTGCCTCCGGCCTCTCAGGGTTGCTCGT  
CAGGGGGCAGTGGTTCTCGGCGGGGGCTCAGGCAACCCCGGCCTCCACGGAACCTCCAAGGCCTGCT  
GCAGATGGCTATTACTGCGGGTTCTCAGGAGCCAGACCCCTCCAGAACCCATGAGCGAGGAGAGACGC  
CAATGGCTGCAGGAAGCCATGTCGGCCGCCTCCGGGGCCAGCGAGAGGAGGTGGAGCAGATGAAGAACT  
GCCTCCGGGTCTGTCCCAGGCCACCCGCAATGGCTGGCGAAGCTGAGCTGGCCACTGACCAGCAGGA  
GGTGAAGGCGCACTAGAGCTGCTGGCAGACCTGTGCGAGAACATGGACAATGCAGCAGATTTCTGCCAG  
CTGTCCAGGCATGCATCTGCTGGTGGTTCGATACCTGGAGGCAGGGGCTGCAGGGCTGCGCTGGAGGGCAG  
CACAGCTCATCGGCACATGCAGTCAGAACGTTGCAGCCATCCAGGAGCAGGTGTTGGGCTTGGGTGCCCT  
GCGCAAGCTACTTCGGCTGCTCGACCGGGACTCCTGCGACACGGTACGAGTCAAGGCTCTCTTCGCCATC  
TCCTGTCTCGTCCGAGAGCAGGAGGCTGGGTTGCTGCAGTTCTCCGCCTGGATGGATTCTCAGTGTGA  
TGCGGGCCATGCAGCAGCAAGTGCAGAAGCTCAAGGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT  
GGGCCACCCTGAGCACAAGGAACCCCTTTGCTCCATGGGATGGTCCAGCAGCTGGTGGCCCTTGTGAGG  
ACAGAACACAGTCTTTCCATGAGCATGTGCTTGGAGCCCTGTGCAGCCTTGTGACAGATTTCCCTCAGG  
CGGTTTCGTGAATGCCGGGAGCCTGAGCTGGGCCTGGAGGAACTGCTCCGCCACCGCTGCCAGCTGCTGCA  
GCAGCGTGAGGAGTACCAGGAGGAGCTGGAGTTCTGTGAAAAGCTGTTACAGACCTGTTTCTCTAGCCCT  
ACGGACGACAGCATGGATCGC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

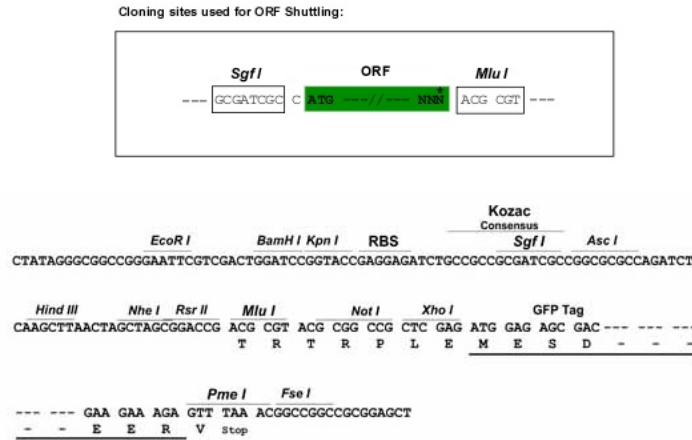
**Protein Sequence:** >MG205444 representing NM\_024172  
 Red=Cloning site Green=Tags(s)

MADKGGSSRLPLALPPASQGCSSGGSSAGGSGNPRPPRNLLQGLLQMAITAGSQEPDPPPEPMSEERR  
 QWLQEAMSAAFRGQREEVEQMKNCLRVL SQATPAMAGEAELATDQQEREGALELLADLCENMDNAADFCQ  
 LSGMHLLVGRYLEAGAAGLRWRAAQLIGTCSQNVAIQEQVLLGLGALRKLRLDRDSCDTRVKALFAI  
 SCLVREQEAGLLQFLRLDGF SVLMRAMQQVQKLVKSAFLLQNLLVGHPEHKGTLC SMGMVQQLVALVR  
 TEHSPFHEHVLGALCSLVTDFPQGVRECREPELGLEELLRHRCQLLQOREEYQEELEFCEKLLQTCFSSP  
 TDDSMR

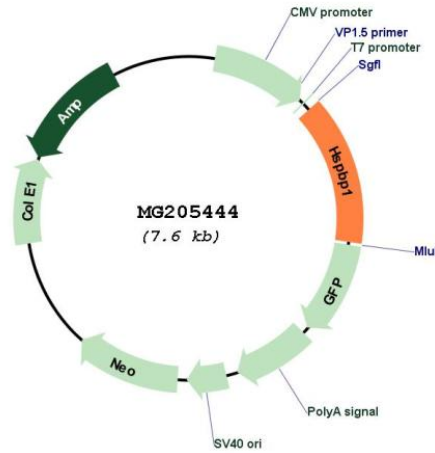
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_024172

<b>ORF Size:</b>	1071 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_024172.2</a>
<b>RefSeq Size:</b>	1488 bp
<b>RefSeq ORF:</b>	1074 bp
<b>Locus ID:</b>	66245
<b>UniProt ID:</b>	<a href="#">Q99P31</a>
<b>Cytogenetics:</b>	7 A1
<b>Gene Summary:</b>	Inhibits HSPA1A chaperone activity by changing the conformation of the ATP-binding domain of HSPA1A and interfering with ATP binding. Interferes with ubiquitination mediated by STUB1 and inhibits chaperone-assisted degradation of target proteins (By similarity). [UniProtKB/Swiss-Prot Function]