

Product datasheet for **MG200108**

Hsbp1 (NM_024219) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsbp1 (NM_024219) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Hsbp1
Synonyms: 0610007A03Rik; AA408769; Hsp25
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200108 representing NM_024219
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGACGGACCCCAAGACCATGCAGGACATCACCTTGGTGGTGGAGACGCTCTTGACGAGATGC
AAGACAAGTTTCAGATCATGTCAGACCAGATCATCGGAAGGATAGATGACATGAGCAGTCGGATTGACGA
CCTGGAGAAGAATATCGCTGACCTCATGACCCAGGCTGGAGTAGAAGAACTGGACCCTGAAACAAGATT
CCTACTGCCCAAGAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200108 representing NM_024219
Red=Cloning site Green=Tags(s)
MAETDPKTMQDITLVVETLLQQMQDKFQIMSDQIIGRIDDSSRIDDLKNIADLMTQAGVEELDPENKI
PTAQKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<u>NM_024219.1</u> , <u>NP_077181.1</u>
RefSeq Size:	1178 bp
RefSeq ORF:	231 bp
Locus ID:	68196
UniProt ID:	<u>Q9CQZ1</u>
Cytogenetics:	8 E1
Gene Summary:	Negative regulator of the heat shock response. Negatively affects HSF1 DNA-binding activity. May have a role in the suppression of the activation of the stress response during the aging process (By similarity).[UniProtKB/Swiss-Prot Function]