

Product datasheet for **RG201580**

Heat Shock Factor 2 Binding Protein (HSF2BP) (NM_007031) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Heat Shock Factor 2 Binding Protein (HSF2BP) (NM_007031) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Heat Shock Factor 2 Binding Protein
Synonyms:	MEILB2; POF19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201580 representing NM_007031 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCGAAGCGGGCGCCGCTGAGGAGGCTGCCGGCAGCATGGGAACAAAGAGGAATTTGTTAAAGTCA
 GAAAGAAGGATCTGGAACGGCTGACAACTGAAGTGATGCAAAACGCGACTTCTTACCCAGAATACTAAA
 TGGGGAGGTGCTGGAGAGCTTCCAGAAATTAAGATTGTAGAAAAAACCTGGAAAGGAAAGAGCAAGAA
 TTAGAGCAGCTGAAAATGGATTGTGAGCACTTTAAAGCCCGCCTGGAAACCGTGCAGGCCGACAACATAA
 GAGAGAAGAAGGAGAACTGGCTCTTCGACAGCAGTTGAATGAAGCGAAGCAGCAACTCCTGCAGCAGGC
 AGAGTATTGTACAGAAATGGGAGCAGCAGCGTGTACCCTCTTGTGGGGTGTCTCCAGCAGTGAGGAAGTC
 GTCAAGGCCATTTTGGGAGGAGATAAAGCTTTGAAGTTTTTCAGCATCACTGGTCAAACAATGGAGAGTT
 TTGTGAAGTCGTTAGACGGTGATGTCCAGGAGCTGGATTCCGGATGAAAGTCAGTTTGTTCGCTCTGGC
 TGGAAATTGTCACGAATGTTGCTGCTATAGCATGTGGTCGTGAATTCTTGTTAATTCAAGCCGGTGCTC
 TTGGACACCATATTGCAGCTTCTGGGAGACTTGAAGCCAGGACAGTGACAACTCAAAGTGCTAATGC
 TGATGTCCCTATACAATGAAGCATCAATTTGAAAGGCTTGAAATACATCAGCGAGAGTCCAGGATTCAT
 CCCTTTGCTGTGGTGGCTTTTGAAGTATCCAGATGCAGAGGTGTGCCTTCATGTACTGAGGCTTGCCAG
 TCTGTGGTTCTGGAACCTGAAGTCTTCTCAAGTCGGCCTCTGAGTTCGGAGCTCCCTGCCCTGCAAC
 GCATCCTGGCAATGTCCAAGAGCCGCAACCCCGCCTGCAACCCGAGCCAGGAGCTCCTGGAAGATCT
 CCGCACTCTGGAGCATAATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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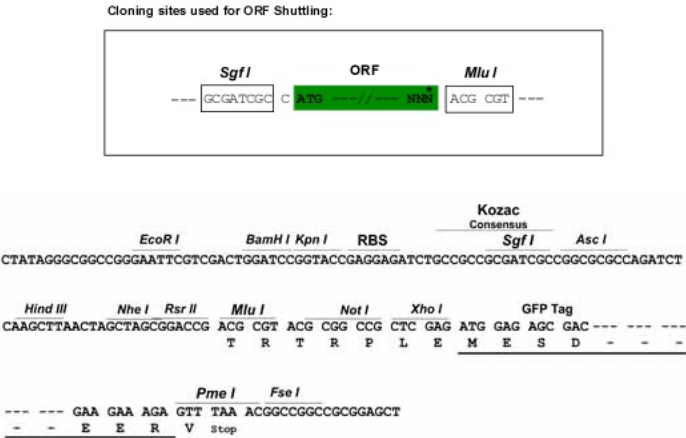
Protein Sequence: >RG201580 representing NM_007031
 Red=Cloning site Green=Tags(s)

MGEAGAAEEACRHMGTKEEFVKVRKKDLERLTTEVMQIRDFLPRILNGEVLESFQKLKIVEKNLERKEQE
 LEQLKMDCEHFKALETQADNIREKKEKLALRQQLNEAKQQLLQQA EYCTEMGAACTLLWGVSSSEEV
 VKAILGGDKALKFFSITGQTMESFVKSLDGDVQELDSDESQFVFALAGIVTNVAAIACGREFLVNSSRVL
 LDTILQLLGDLPKPGQCTKLKVLMLMSLYNVSINLKGLKYISESPGFIPLLWLLSDPDAEVCLHVLRLVQ
 SVVLEPEVFSKSASEFRSSLPLQIRILAMSKSRNPRLQTAAQELLEDLRTL EHN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007031

ORF Size: 1002 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_007031.2](#)

RefSeq Size: 1916 bp

RefSeq ORF: 1005 bp

Locus ID: 11077

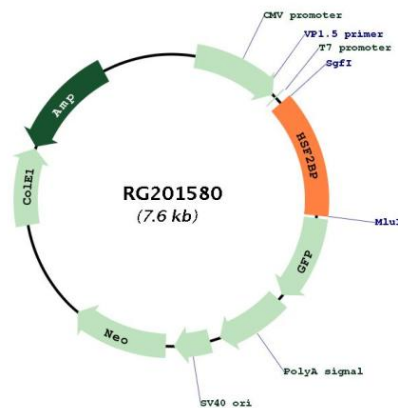
UniProt ID: [O75031](#)

Cytogenetics: 21q22.3

Protein Families: Transcription Factors

Gene Summary: HSF2 binding protein (HSF2BP) associates with HSF2. The interaction occurs between the trimerization domain of HSF2 and the amino terminal hydrophilic region of HSF2BP that comprises two leucine zipper motifs. HSF2BP may therefore be involved in modulating HSF2 activation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201580