

Product datasheet for **RG205590**

HSF5 (NM_001080439) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	HSF5
Synonyms:	HSF 5; HSTF 5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205590 representing NM_001080439
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGCGCTGCTCTCCACCCCATCAACCCCAACAATTCCCCGCAAGCTGTGGCGCTGGTGAACA
 GCCCGCGCTACCGCTCCATCCGCTGGGACGGCCGCGGAGGGGCTGCTTATCGATCAGCCGCTCTTCGA
 GGCCGAGCTGCTCAGCCCGCCGGGGCGGGGGCGGTGGCGGACTGCGGGGGCCGGGGCCGAGCCGAG
 CTCTTCAAACACACAGCTTACCAGCTTCATCCGCCAGCTCAACCTCTACGGCTTCCGCAAGGTGGTGC
 TGGCGGGCGGGGGGGGAAACCGGCAGGCAATGGCGGCTCCATCACTTCCACAACCCGCACTTCCG
 CCGCAGCCAGCCACAGCTGCTCGTGACCTCAAGCGCCTCACCAGCGCCAACAAGGCCAAGCTGGCGGCC
 GGCCTGGAGGTGCCCTGCCGCCGCCAACCGCTTCCAGCGCTGCTCATCACTCGGCCTCCGCCGCCA
 CCGCGCCACTGCAGCACCAGCAGCCGCCGCCGCCGGGGCCCGGCCGAGCCGCACGGACAGTGGC
 TGTAGGACAATTTACCGGTCAATTCGTCGAGATAGTTGTCTCTTACTCCTGTGTATCAACTCCATCC
 CACGACCACAGTACTTACCCTCTGAAAGGTTTAGATCGGACCCAGTTCCTCATAGAATATGGCAGAACT
 CCCTTGAATGCATCCTGGACAAGTGGAGACATCTCCACATTTTTCAGATAAAGGGGTTCCGTTTCTGT
 ACTCCAGAGGTTTCCAAGTGGGTTACCTATACACTGCAGCCAGCACCACATCTGTACATGTTCAACAA
 GGTCTCAACAATGGTCAGCTCCTCCAAAAATACAGTAACACACCCCTCAGCAGACTCTCGCAAG
 CCTACTATCCAACAGCTGTGCTACAGTGTCTTCTCCTACCCACATGGATGCTTAAGTAGTTGTGTAC
 TCCCACTGCCTCTTCTATGCACACTGCAACTACTTCCAGAATCCTTCAATGCAGTCTCTATCCAGTT
 GAATTTTTCCTTCAATTGGCCCTGCAGTACTACTGATGAAAATACAAAGACAGAAGTAAACCTAGAGG
 CTGTCTTTCAGATAGTTGATGAGTTCATCTCCCTAAATTTGGAGATGGTAAAGGTGGAGCCTGTTGA
 GAATCAGTGCCCAACATCTCCGTCTTACAGAGGCCAACACATTTTAGCTAATTCTAACAAACAGCAATCCA
 TGTTCTGCAAGTCAGGCTAGCCAGCTGGAGCCACTTACTCCTGTAGGCTCAGATATTATGTCTTTTGTGG
 TTGGAACAGAACAGCAGTTGCCTGCTCTCTACCACAGTCACCTGAGTACATCTATACCATCCACACAGC
 TCAGCCTGTTGAAAATAGCACAATACAGGAATCTGCAGCCATCCAGCAAGCTCATGTCAAATGAAGGAG
 CACCTAAATCATAATCCATCTCCATCTTCAAGTAGTATTTGTGCAGGAAGGGCCACCATTACGACACACAC
 AGGTGGATGCCAACATAAAATGCCAGACAGTTTACGTGAGAATATCTTGCCGTCAGAACAGATGGGATT
 CCTCATTTTCAAGATGGGGCTGCTAGCAAGCCTAGTGAAGACACAGGTTTAGCCACTCCAGCCAGATAC
 AGAGAGCACAGAAGCAACTACAACAAGGAAAGTCCCTGATCTTCATCTGCTGGTGGACGTGGCCTGCA
 AGCAGGAGCGCTTCCAAAGGAGGAAGAATTAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

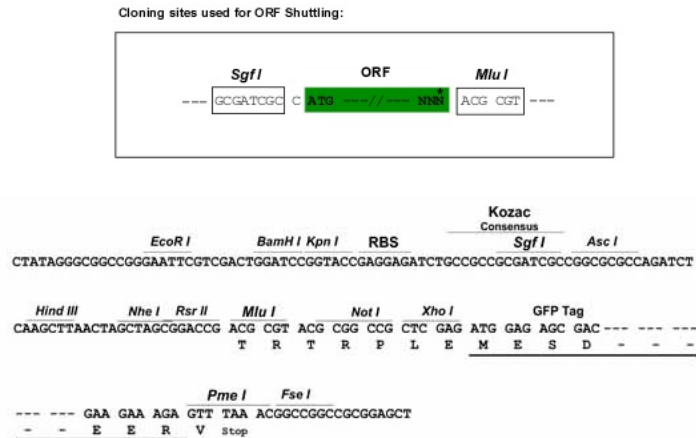
Protein Sequence: >RG205590 representing NM_001080439
 Red=Cloning site Green=Tags(s)

MEALLSTPINPNFPAKLWRLVNSPRYSIRWDGRGELLIDQPLFEALLSPPGPGGGGGTAGAGAEPE
 LFKTTSFTSFIRQLNLYGFRKVVLLGGPGGKPAAGNPLHHFHNPHFRDQPLLVLKRLTSANKAKLAA
 GLEVPICRPPNRFQRLITSSASAATAPLQHQQPPPPAGPRPEPHGPVAVGQFHRSFRRDSLSPYSCVSTPS
 HDHSTYPLKGLDRTPVPHRIWQNSLGMHPGQVETSPTFSDKGVPFPVLQRFPTVETVTLQPSTTSVHVQQ
 GPQTMVSSSQKYSNYTPSAQYSQAYYPTAVLQCCSPTHMDALSSCVTPTASSYAHCNFYQNPMSQSSYPV
 EFLPSNWPSTTDENTKTEVNLEAVFQIVDELHSSPKLEMKVEPVENQCPTSPSYRGQHILANSNNSNP
 CSASQASQLEPLTPVGSIMSFVVGTEQAVACSLPQSPEYIYTIHTAQPVENSTIQESAAIQQAHVKLKE
 HLHNHNPSPSSVVFVQEGPPFSTHQVDANIKCQTSSRENILPSEQMGLIEMGPASKPSEDGLATPARY
 REHRSNSQQGKSPDLHLLVDVACKQERFPKEELKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080439

ORF Size: 1788 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).

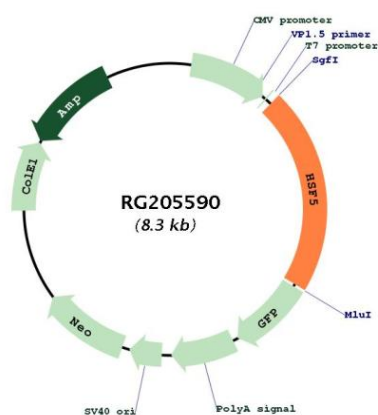
Reconstitution Method:

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_001080439.3](#)

RefSeq Size:	4107 bp
RefSeq ORF:	1791 bp
Locus ID:	124535
UniProt ID:	Q4G112
Cytogenetics:	17q22
Gene Summary:	May act as a transcriptional factor.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG205590