

Product datasheet for **RG232215**

HSF2 (NM_001243094) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSF2 (NM_001243094) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HSF2
Synonyms:	HSF 2; HSTF 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232215 representing NM_001243094 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCAGAGTTCGAACGTGCCGGCTTCTCAGCAAGCTGTGGACGCTTGTGGAGGAAACCCACACTA
ACGAGTTCATCACCTGGAGCCAGAATGGCCAAAGTTTTCTGGTCTTGGATGAGCAACGATTTGCAAAAGA
AATTCTCCCAAATTTCAAGCACAATAATATGGCAAGCTTGTGAGGCAACTGAATATGTATGGTTTC
CGTAAAGTAGTACATATCGACTCTGGAATTGTAAGCAAGAAAGAGATGGTCCTGTAGAATTTGAGCATC
CTTACTTCAAACAAGGACAGGATGACTTGTGGAGAACATTTAAAGGAAGTTTCATCTTCAAACCCAGA
AGAAAATAAAATTCGTCAGGAAGATTTAACAAAATTATAAGTAGTGCTCAGAAGTTTCAGATAAACAG
GAAACTATTGAGTCCAGGCTTCTGAATTTAAAGTGAGAATGAGTCCCTTTGGAAGGAGGTGTCAGAAT
TACGAGCAAAGCATGCACAACAGCAACAAGTTATTCGAAAGATTGTCCAGTTTATTGTTACATTGGTTCA
AAATAACCAACTTGTGAGTTTAAACGTAAGGCCTCTACTTCTAAACACTAATGGAGCCCAAAAGAAG
AACCTGTTTCAGCACATAGTCAAAGAACCAACTGATAATCATCATATAAAGTAATTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG232215 representing NM_001243094
Red=Cloning site Green=Tags(s)

MKQSSNPAFLSKLWTLVEETHNEFITWSQNGQSFLVLDEQRF~~AKEILPKYFKHNNMASFVRQLNMYGF~~
~~RKVVHIDSGIVKQERDGPVEFQHPYFKQGDDLLLENIKRKVSSSKPEENKIRQEDLTKIISSAQKVQIKQ~~
~~ETIESRSELKSENE~~SLWKEVSELRAKHAQQQQVIRKIVQFIVTLVQNNQLVSLKRKRPLLLNTNGAQKK~~~~
~~NLFQHI~~VKEPTDNHHHKVIF~~~~

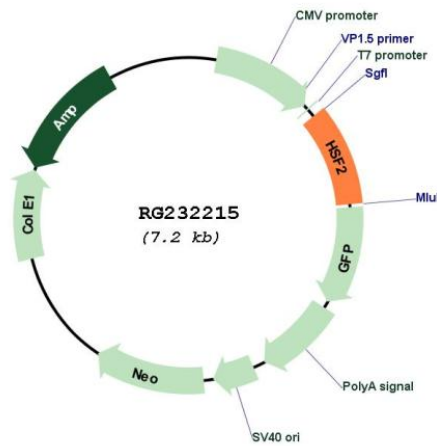
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001243094

ORF Size: 690 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:	<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:	NM_001243094.2
RefSeq Size:	1088 bp
RefSeq ORF:	693 bp
Locus ID:	3298
Cytogenetics:	6q22.31
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene belongs to the HSF family of transcription factors that bind specifically to the heat-shock promoter element and activate transcription. Heat shock transcription factors activate heat-shock response genes under conditions of heat or other stresses. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]