

HSF2 cDNA

Catalog Number: ATGD0234

PRODUCT INFORMATION

Catalog number

ATGD0234

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004497.1

Alternative Names

HSF 2, HSTF 2

mRNA Refseq

NM_004506.3

OMIM

140581

Chromosome location

6q22.31

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1611bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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HSF2 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.

DATA

Sequence nucleotides

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ATGAAGCAGAGTTTCAACGTGCCGGCTTTCCTCAGCAAGCTGTGGACGCTTGTGGAGGAAACCCACACTAACGAGTTCATC
ACCTGGAGGCCAGAATGGCCAAAGTTTTCTGGTCTTGGATGAGCAACGATTTGCAAAAGAAATTCTTCCCAAATATTTCAAGC
ACAATAATATGGCAAGCTTTGTGAGGCAACTGAATATGTATGTTTTCCGTAAAGTAGTACATATCGACTCTGGAATTGTAAG
CAAGAAAGAGATGGTCCTGTAGAATTTTCAGCATCCTTACTTCAAACAAGGACAGGATGACTTGTTGGAGAACATTTAAAGGA
AGGTTTCATCTTCAAAACCAGAAGAAAATAAAATTCGTCAGGAAGATTTAACAAAAATTATAAGTAGTGCTCAGAAGGTTTCA
ATAAAACAGGAAACTATTGAGTCCAGGCTTTCTGAATTAAGGAGTGAAGATGAGTCCCTTTGGAAGGAGGTGTCAGAATTAC
GAGCAAAGCATGCACAACAGCAACAAGTTATTCGAAAGATTGTCCAGTTTATTGTTACATTGGTTCAAATAACCAACTTGTG
AGTTTAAACGTAAGGCTCTACTTCTAAACACTAATGGAGCCCCAAAAGAAGAACCTGTTTCAGCACATAGTCAAAGAAC
CAACTGATAATCATCATCATAAAGTTCCACACAGTAGGACTGAAGGTTTAAAGCCAAGGGAGAGGATTTTCAGATGACATCAT
TATTTATGATGTTACTGATGATAATGCAGATGAAGAAAATATCCAGTTATTCCAGAACTAATGAGGATGTTATATCTGATC
CCTCCAAGTGTAGCCAGTACCCTGATATTGTCATCGTTGAAGATGACAATGAAGATGAGTATGCACCTGTCATTTCAGAGTGG
AGAGCAGAATGAACCAGCCAGAGAATCCCTAAGTTCAGGCAGTGATGGCAGCAGCCCTCTCATGTCTAGTGCTGTCCAGCT
AAATGGCTCATCCAGTCTGACCTCAGAAGATCCAGTGACCATGATGGATTCCATTTGAATGATAACATCAATCTTTTGGGAA
AGGTTGAGCTGTTGGATTATCTTGACAGTATTGACTGCAGTTTAGAGGACTTCCAGGCCATGCTATCAGGAAGACAATTTAG
CATAGACCCAGATCTCCTGGTTGATCTTTTCACTAGTTCTGTGCAGATGAATCCACAGATTACATCAATAATACAAAATCTG
AGAATAAAGGATTAGAACTACCAAGAACAATGTAGTTCAGCCAGTTTCGGAAGAGGGAAGAAAATCTAAATCCAAACCAGA
TAAGCAGCTTATCCAGTATACCGCCTTTCCACTTCTTGCAATCCTCGATGGGAACCCTGCTTCTTCTGTTGAACAGGCGAGTA
CAACAGCATCATCAGAAGTTTTGTCCTCTGTAGATAAACCCATAGAAGTTGATGAGCTTCTGGATAGCAGCCTAGACCCAGA
ACCAACCCAAAGTAAGCTTGTCGCTGGAGCCATTGACTGAAGCTGAAGCTAGTGAAGCTACACTGTTTTATTTATGTGAA
CTTGCTCCTGCACCTCTGGATAGTGATATGCCACTTTTAGATAGCTAA
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Transaction Sequence

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MKQSSNPVAF LSKLWTLVEE THTNEFITWS QNGQSFLVLD EQRFAKEILP KYFKHNNMAS FVRQLNMYGF RKVVHIDSGI
VKQERDGPVE FQHPYFKQGQ DDLENIKRK VSSSKPEENK IRQEDLTII SSAQKVQIKQ ETIESRLSEL KSENEISLWKE
VSELRAKHAQ QQQVIRKIVQ FIVTLVQNNQ LVSLKRKRPL LLNTNGAQKK NLFQHIVKEP TDNHHHKVPH SRTEGLKPRE
RISDDIIIDY VTDDNADEEN IPVIPETNED VISDPSNCSQ YPDIVIVEDD NEDEYAPVIQ SGEQNEPARE SLSSGSDGSS
PLMSSAVQLN GSSSLTSEDP VTMMDSILND NINLLGKVEL LDYLDSDICS LEDFQAMLSG RQFSIDPDLL VDLFTSSVQM
NPTDYINNTK SENKGLETTK NNVVQPVSEE GRKSKSKPDK QLIQYAFPL LAFLDGNPAS SVEQASTTAS SEVLSSVDKP
IEVDELLDSS LDPEPTQSKL VRLEPLTEAE ASEATLFYLC ELAPAPLSD MPLLDS
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