

Recombinant Human HSF1, His-tagged

Cat. No. HSF1-29387TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HSF1 with N-terminal His-tag. 549 aa; Mol Wt 59 kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	529 amino acids
Description	The product of this gene is a heat-shock transcription factor. Transcription of heat-shock genes is rapidly induced after temperature stress. Hsp90, by itself and/or associated with multichaperone complexes, is a major repressor of this gene.
Conjugation	HIS
Molecular Weight	59.000kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.24% Tris, 0.29% Sodium chloride, 0.02% DTT
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MDLPVGPAA GPSNVPAFLT KLWTLVSDPD
 TDALICWSPS GNSFHVFDQG QFAKEVLPKY FKHNNMASFV RQLNMYGFRK
 VVHIEQGGLV KPERDDTEFQ HPCFLRGQEQ LLENIKRKVT SVSTLKSEDI
 KIRQDSVTKL LTDVQLMKGK QECMDSKLLA MKHENEALWR EVASLRQKHA
 QQQKVVNKLI QFLISLVQSN RILGVKRKIP LMLNDSGSAH SMPKYSRQFS
 LEHVHSGSPY SAPSPAYSSS SLYAPDAVAS SGPIISDITE LAPASPMASP
 GGSIDERPLS SSPLVRVKEE PPSPPQSPRV EEASPGRPSS VDTLLSPTAL
 IDSILRESEP APASVTALTD ARGHTDTEGR PPSPPPTSTP EKCLSVACLD
 KNELSDHLDA MDSNLDNLQT MLSSHGFSVD TSALLDLFSP SVTVPDMSLP
 DLSSLASIQ ELLSPQEPPR PPEAENSSPD SGKQLVHYTA QPLFLDPGS
 VDTGSNDLPV LFELGEGSYF SEG DGFAEDP TISLLTGSEP PKAKDPTVS

Sequence Similarities

Belongs to the HSF family.

GENE INFORMATION

Gene Name	HSF1 heat shock transcription factor 1 [Homo sapiens]
Official Symbol	HSF1
Synonyms	HSF1; heat shock transcription factor 1; heat shock factor protein 1; HSTF1;
Gene ID	3297
mRNA Refseq	NM_005526
Protein Refseq	NP_005517
MIM	140580



Uniprot ID	Q00613
Chromosome Location	8q24.3
Pathway	Legionellosis, organism-specific biosystem; Legionellosis, conserved biosystem;
Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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