

Recombinant Human Heat Shock Transcription Factor 1, GST-tagged

Cat. No. HSF1-4849H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human HSF1 was expressed in E. coli cells using a N-terminal GST tag.
Species	Human
Source	E.coli
Description	HSF1 is a member of the heat shock transcription factor family. Protein-damaging stress lead to the activation of HSF1 which binds to upstream regulatory sequences in the promoters of heat shock genes leading to enhanced heat shock gene expression. The activation of HSF1 proceeds through a multi-step pathway, involving a monomer-to-trimer transition, nuclear accumulation and extensive posttranslational modifications.
Applications	Kinase Assay; Western Blot
Molecular Weight	96 kDa
Expression System	E. coli
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Purity	>90%

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Concentration	0.2 ug/ul
Sequences	Full length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Full Length	Full L.

GENE INFORMATION

Gene Name	HSF1 heat shock transcription factor 1 [Homo sapiens]
Official Symbol	HSF1
Synonyms	HSF1; heat shock transcription factor 1; HSTF1; heat shock factor protein 1; HSF 1; HSTF 1; OTTHUMP00000228553; OTTHUMP00000228555
Gene ID	3297
mRNA Refseq	NM_005526
Protein Refseq	NP_005517
MIM	140580
UniProt ID	Q00613
Chromosome Location	8q24

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Function

protein binding; sequence-specific DNA binding; sequence-specific DNA binding
transcription factor activity

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