

Recombinant Human HSF1 protein, Arginine-tagged

Cat. No. HSF1-205H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSF1 protein fused with 11 arginine domain at C-terminal which efficiently delivery protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-529 a.a.
Form	0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	29aa_Tag_DLPVGPGAAGPSNVPAFLTCLWTLVSDPDTDALICWSPSGNSFHVFDQ GQFAKEVLPKYFKHNNMA SFVRQLNMYGFRKVVHIEQGGLVKPERDDTEFQHPCF LRGQEQLLENIKRKVTSVSTLKSEDIKIRQDSVTKLLT DVQLMKGKQECMDSKLLAM KHENEALWREVASLRQKHAQQQKVVNKLIFLISLVQSNRILGVKRKIPLMLNDSG S AHSMPKYSRQFSLEHVHSGPYSPAPSPAYSSSSLYAPDAVASSGPIISDITELAPASP MASPGGSIDERPLSSS PLVRVKEEPPSPPPQSPRVEEASGPRPSSVDTLTLLSPTALIDS ILRESEPAVASVTALTDARGHTDTEGRPPSPPT STPEKCLSVACLDKNELSDHLDA MDSNLDNLQTMLSSHGFSVDTSALLDLFSPSVTPDMSLPDLSSLASIQEL LSPQE PPRPPEAENSSPDGKQLVHYTAQPLFLDPGSVDGTGNDLPVLFELGEGSYFSEG DGFAEDPTISLLTG SEPPKAKDPTVSLEESGGGGSPGRRRRRRRRRRRR
Purity	>90% by SDS-PAGE

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Applications

1. Protein transduction for study of hepatocytes cell metabolic pathway regulation.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for kinase assay.4. As immunogen for specific antibody production.

Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

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; HSF 1; HSTF 1;

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;

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Function

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

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