

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	<p>29aa_Tag_DLPVGPAAAGPSNVPAFLTKLWTLVSDPDTDALICWSPSGNSFHVFDQ GQFAKEVLPKYFKHNNMA SFVRQLNMYGFRKVVHIEQGGLVKPERDDTEFQHPCF LRGQEQLLENIKRKVTSVSTLKSEDIKIRQDSVTKLLT DVQLMKGKQECMDSKLLAM KHENEALWREVASLRQKHAQQQKVVNKLIFLISLVQSNRILGVKRKIPLMLNDSG S AHSMPKYSRQFSLEHVHVGSGPYSPAPSPAYSSSSLYAPDAVASSGPIISDITELAPASP MASPGGSIDERPLSSS PLVRVKEEPPSPQSPRVEEASPGRPSSVDTLTLLSPTALIDS ILRESEPPASVTALTDARGHTDTEGRPPSPPT STPEKCLSVACLDKNELSDHLDA MDSNLDNLQTMLSSHGFSVDTSALLDLFSPSVTPDMSLPDLSSLASIQEL LSPQE PPRPPEAENSSPDSGKQLVHYTAQPLFLDPGSVDGTGNDLPVLFELGEGSYFSEG DGFAEDPTISLLTG SEPPKAKDPTVSLEESGGGGSPGRRRRRRRRRRR</p>
Purity	>90% by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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