

Recombinant Human HSF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSF1-3964H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HSF1 MS Standard C13 and N15-labeled recombinant protein (NP_005517) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The product of this gene is a transcription factor that is rapidly induced after temperature stress and binds heat shock promoter elements (HSE). This protein plays a role in the regulation of lifespan. Expression of this gene is repressed by phosphorylation, which promotes binding by heat shock protein 90.
Molecular Mass	57.1 kDa
AA Sequence	MDLPVGPGAAGPSNVPAFLTCLWTLVSDPDTDALICWSPSGNSFHVFDQGQFAKEV LPKYFKHNNMASFVRQLNMYGFRKVVHIEQGGLVKPERDDTEFQHPCFLRGQEQLL ENIKRKVTSVSTLKSEDIKIRQDSVTKLLTDVQLMKGKQECMDSKLLAMKHENEALW REVASLRQKHAQQQKVVNKLQFLISLVQSNRILGVKRKIPLMLNDSGSAHSMPKYS RQFSLEHVHSGPYSA SPAYSSSSLYAPDAVASSGPIISDITELAPASPMASPGGSI DERPLSSSPLVRVKEEPPSPPPQSPRVEEASPGRPSSVDTLTALIDSILRESEAP ASVTALTDARGHTDTEGRPPSPPTSTPEKCLSVACLDKNELSDHLDAMDSNLDNL QTMLSSHGFSVDTSALLDLFSPSVTPVDMSPDLDDLSSLASIQELLSPQEPPRPPEAE NSSPDGSKQLVHYTAQPLFLDPGSVDGTGNDLPVLFELGEGSYFSEGDGFAEDPTI

 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

	SLLTGSEPPKAKDPTVSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

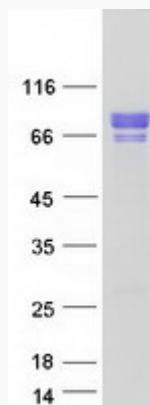
GENE INFORMATION

Gene Name	HSF1 heat shock transcription factor 1 [Homo sapiens (human)]
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

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SDS-PAGE

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