

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
REVASLRQKHAQQKVVNKLIFLISLVQSNRILGVKRKIPLMLNDSGSAHSMKYS
RQFSLEHVHGSGPYSPAYSSSSLYAPDAVASSGPIISDITELAPASPMASPGGSI
DERPLSSSPLVRVKEEPPSPQSPRVEEASPGRPSSVDTLLSPTALIDSILRESEAP
ASVTALTDARGHTDTEGRPPSPPTSTPEKCLSVACLKDNELSDHLDAMDSNLDNL
QTMLSSHGFSVDTSALLDLFSPSVTPDMSLPDLSSLASIQELLSPQEPPRPEAE
NSSPDSGKQLVHYTAQPLFLDPGSVDTGSNDLPVLFELGEGSYFSEGDFGAEDPTI

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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](#)

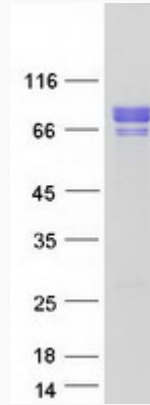
UniProt ID [Q00613](#)

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SDS-PAGE



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