

Product datasheet for PH300314

HSF1 (NM_005526) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | HSF1 MS Standard C13 and N15-labeled recombinant protein (NP_005517) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC200314 |
| Predicted MW: | 57.1 kDa |
| Protein Sequence: | >RC200314 representing NM_005526 Red=Cloning site Green=Tags(s) |

MDLPVGPGAAGPSNVPAFLTKLWTLVSDPDTDALICWSPSGNSFHVFDQGFQFAKEVLPKYFKHNNMASFV
RQLNMYGFRKVVHIEQGGLVKPERDDTEFQHPCFLRGQEQLLENIKRKVTSVSTLKSEDIKIRQDSVTKL
LTDVQLMKGKQECMDSKLLAMKHENEALWREVASLRQKHAQQQKVVNKLIQFLISLVQSNRILGVKRKIP
LMLNDSGSAHSMPKYSRQFSLEHVHVGSGPYSPAYSSSSLYAPDAVASSGPIISDITELAPASPMASP
GGSIDERPLSSSPLVRVKEEPPSPQSPRVEEASPGRPSSVDTLLSPTALIDSILRESEPPASVTALTD
ARGHTDEGRPPSPPTSTPEKCLSVACLKDNELSDHLDAMSDNLDNLQTMLSSHGFSVDTALLDLFSP
SVTVPMSLPDLSSLASIQELLSPQEPPEAENSSPDGKQLVHYTAQPLFLLDPGSVDTGSNDLPV
LFELGEGSYFSEGDFEAEDPTISLLTGSEPPKAKDPTVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_005517 |
| RefSeq Size: | 2166 |
| RefSeq ORF: | 1587 |



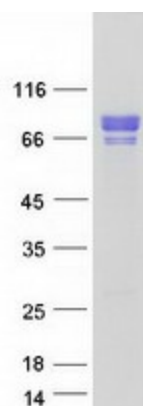
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Synonyms: HSTF1
Locus ID: 3297
UniProt ID: [Q00613](#)
Cytogenetics: 8q24.3

Summary: 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. [provided by RefSeq, Jul 2017]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified HSF1 protein (Cat# [TP300314]). The protein was produced from HEK293T cells transfected with HSF1 cDNA clone (Cat# [RC200314]) using MegaTran 2.0 (Cat# [TT210002]).