

## Product datasheet for TP300314L

### HSF1 (NM\_005526) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heat shock transcription factor 1 (HSF1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200314 representing NM_005526 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDLPVGPGAAGPSNVPAFLTKLWTLVSDPDTDALICWSPSGNSFHVFDQGFQFAKEVLPKYFKHNNMASFV  
RQLNMYGFRKVVHIEQGGLVKPERDDTEFQHPCFLRGQEQLENIKRVKVTSTLKSEDIKIRQDSVTKL  
LTDVQLMKGKQECMDSKLLAMKHENEALWREVASLRQKHAQQQKVVNKLIFLISLVQSNRILGVKRKIP  
LMLNDSGSAHSMPKYSRQFSLEHVHVGSGPYSAPSPAYSSSSLYAPDAVASSGPIISDITELAPASPMASP  
GGSIDERPLSSSPLVRVKEPPSPQSPRVEEASPRPSSVDLTLSPALIDSILRESEPAVASVTALTD  
ARGHTDTEGRPPSPPTSTPEKCLSVACLDKNELSDHLDAMDSNLDNLQTMLSSHGFSVDTSALLDLFSP  
SVTPDMSLPDLSSLASIQELLSPQEPPEAENSSPDSGKQLVHYTAQPLFLDPGSVDGTGNDLPV  
LFELGEGSYFSEGDGFAEDPTISLLTGSEPPKAKDPTVS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	57.1 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_005517](#)

Locus ID: 3297

UniProt ID: [Q00613](#)

RefSeq Size: 2166

Cytogenetics: 8q24.3

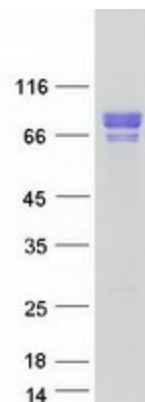
RefSeq ORF: 1587

Synonyms: HSTF1

**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]).