

AR03000PU-N

Human Heat shock factor 1 / HSF1 - Purified

Alternate names:

HSF-1, HSTF1, Heat shock transcription factor 1

Quantity:

0.5 mg

Concentration:

1 mg/ml

Background:

Heat shock factor 1 (HSF1) is a major transactivator of heat shock proteins in response to environmental changes, and it is also involved in oogenesis, spermatogenesis, and placental development. Best known for its involvement in heat shock response, Hsf1p regulates the transcription of hundreds of targets, including genes involved in protein folding, detoxification, energy generation, carbohydrate metabolism, and cell wall organization.

Uniprot ID:
[Q00613](#)
NCBI:
[NP_005517.1](#)
GeneID:
[3297](#)
Species:

Human

Source:

E. coli

Format:
State: Liquid, purified by using conventional chromatography techniques

Purity: >75% > 75% by SDS PAGE

Buffer System: 20mM Tris pH 8.0, 50mM NaCl, 1mM DTT

Description:
AA Sequence:

MGSSHHHHHH SGLVPRGSH MDLPVGPAA GPSNVPAFLT KLWTLVSDPD TDALICWSPS
GNSFHVFDQG QFAKEVLPHY FKHNNMASFV RQLNMYGFRK VVHIEQGGLV KPERDDTEFQ
HPCFLRGQEQ LLENIKRKVT SVSTLKSEDI KIRQDSVTKL LTDVQLMKGK QECMSKLLA
MKHENEALWR EVASLRQKHA QQQKVVNKLI QFLISLVQSN RILGVKRKIP LMLNDSGSAH
SMPKYSRQFS LEHVHSGSPY SAPSPAYSSS SLYAPDAVAS SGPIISDITE LAPASPMASP
GGSIDERPLS SSPLVRVKEE PPSPQSPRV EEASPGRPSS VDTLLSPTAL IDSILRESEP
APASVTALTD ARGHTDTEGR PPSPPTSTP EKCLSVACLD KNEISDHLDA MDSNLDNLQT
MLSSHGFSVD TSALLDLFSP SVTVPMDSLP DLDSSLASIQ ELLSPQEPPR PPEAENSSPD
SGKQLVHYTA QPLFLDLP GS VDTGSNDLPV LFELGEGSYF SEGDFGAEDP TISLLTGSEP
PKAKDPTVS

Molecular weight: 59 kDa 59 kDa (549 aa)

Add. Information:

NCBI Accession No.: NP_005517

Storage:

Store at -20 °C. Avoid repeated freezing and thawing.
Shelf life: six months from despatch.

General Readings:

1. Turk V, et al (1991) FEBS Lett. 285 (2): 213-9.
2. Jarvinen M, et al, (1988) Acta Histochem. 82 (1): 5-18.

Pictures:

