

AR51295PU-N**Human HSFY1 / HSFY2 (1-401, His-tag) - Purified****Alternate names:**

HSF2-like, HSF2L, HSFY, Heat shock transcription factor 2-like protein, Heat shock transcription factor Y-linked

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

HSFY1 is a member of the heat shock factor (HSF) family of transcriptional activators for heat shock proteins. This gene is a candidate gene for azoospermia, since it localizes to a region of chromosome Y that is sometimes deleted in infertile males. The genome has two identical copies of this gene within a palindromic region; this record represents the more centromeric copy. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Uniprot ID:[Q96LI6](#)**NCBI:**[NP_149099](#)**GeneID:**[159119](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >80% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea**Description:**

Recombinant human HSFY1 protein, fused to His-tag at N-terminus, was expressed in E.coli .

AA Sequence:

MGSSHHHHHH SGLVPRGSH MGSMAHVSSE TQDVSPKDEL TASEASTRSP LCEHTFPGDS
DLRSMIEEHA FQVLSQGSLL ESPSYTVCVS EPDKDDDFLS LNFPRKLWKI VESDQFKSIS
WDENGTICIVI NEELFKKEIL ETKAPYRIFQ TDAIKSFVRQ LNLYGFSKIQ QNFQRSAFLA
TFLSEEKES VLSKLFYYN PNFKRGYQL LVRVKRRIGV KNASP ISTLF NEDFNKKHFR
AGANMENHNS ALAAEASEES LFSASKNLNM PLTRESSVRQ IIANSSVPIR SGFPPSPST
SVGPSEQIAT DQHAILNQLT TIHMHSYSTY MQARGHIVNF ITTTTSQYHI ISPLQNGYFG
LTVEPSAVPT RYPLVSVNEA PYRNMLPAGN PWLQMPTIAD RSAAPHSRLA LQPSPLDKYH PNYN

Molecular weight: 47.5 kDa (424aa)**Storage:**Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.**General Readings:**

Skaletsky H., Kuroda-Kawaguchi T. et al. (2003). Nature 423:825-837

Pictures:

