

Recombinant human HSFY1, His-tagged

Cat. No. HSFY1-2475H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSFY1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	47.5kDa (424aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMahVSSE TQDVSPKDEL TASEASTRSP LCEHTFPGDS DLRSMIEEHA FQVLSQGSLL ESPSYTVCVSEPKDDDFLS LNFPRKLWKI VESDQFKSIS WDENGTCIVI NEELFKKEIL ETKAPYRIFQ TDAIKSFVRQ LNLYGFSKIQ QNFQRSAFLA TFLSEEKESS VLSKCLKFYNN PNFKRGYPQL LVRVKRRIGV KNASPISTLF NEDFNKKHFR AGANMENHNS ALAAEASEES LFSASKNLNMPLTRESSVRQ IIANSSVPIR SGFPPSPST SVGPSEQIAT DQHAILNQLT TIHMHSHTY MQARGHIVNF ITTTTSQYHI

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	ISPLQNGYFG LTVEPSAVPT RYPLVSVNEA PYRNMLPAGN PWLQMPTIAD RSAAPHSRLA LQPSPLDKYH PNYN
Purity	>80 % by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1.0 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	HSFY1 heat shock transcription factor, Y-linked 1 [Homo sapiens]
Official Symbol	HSFY1
Synonyms	HSFY1; heat shock transcription factor, Y-linked 1; heat shock transcription factor, Y linked , HSFY; heat shock transcription factor, Y-linked; heat shock transcription factor; Y linked 1; HSF2L; heat shock transcription factor 2-like protein; HSFY; HSFY2;
Gene ID	86614
mRNA Refseq	NM_033108
Protein Refseq	NP_149099
MIM	400029

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UniProt ID	Q96LI6
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Chromosome Location	Yq11.221
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