
Product Data Sheet

Product Name: HSFY1 Human
 Cat. No.: GP25093
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Heat shock transcription factor; Y-linked; Heat shock transcription factor 2-like protein; HSF2-like; HSFY1; HSF2L; HSFY; HSFY2; Y-linked isoform 1; Y-Linked 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMHVSS TQDVSPKDEL TASEASTRSP LCEHTFPGDS DLRSMEIEHA FQVLSQGSLL ESPSYTVCVS EPDKDDDFLS LNFPRKLWKI VESDQFKSIS WDENGTCIVI NEELFKKEIL ETKAPYRIFQ TDAIKSFVRQ LNLYGFSKIQ QNFQRSAFLA TFLSEEKES VLSKLFYFN PNFKRGYPQL LVRVKRRIGV KNASPISTLF NEDFNKKHFR AGANMENHNS ALAAEASEES LFSASKNLNM PLTRESSVRQ IANSSVPIR SGFPPSPST SVGPSEQIAT DQHAILNQLT TIHMHSHSTY MQARGHIVNF ITTTTSQYHI ISPLQNGYFG LTVEPSAVPT RYPLVSVNEA PYRNMLPAGN PWLQMPTIAD RSAAPHSRLA LQPSPLDKYH PNYN.		
Formulation	The HSFY1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

Heat Shock Transcription Factor, Y-Linked 1 (HSFY1) is a member of the heat shock factor (HSF) family of transcriptional activators for heat shock proteins. HSFY1 is localized to an area of chromosome Y which is from time to time deleted in infertile males and therefore is considered a gene for azoospermia. The genome has 2 identical duplicates of HSFY1 within a palindromic area.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HSFY1 Human Recombinant produced in E. coli is a single polypeptide chain containing 424 amino acids (1-401) and having a molecular mass of 47.5kDa. HSFY1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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