

Recombinant human HSFY1 protein

Catalog Number: ATGP2475

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-401aa

UniProt No.

Q96LI6

NCBI Accession No.

NP_149099

Alternative Names

Heat shock transcription factor Y-linked isoform 1, Heat shock transcription factor, Y-linked isoform 1, Heat shock transcription factor, Y-linked 1, HSF2L, HSFY

PRODUCT SPECIFICATION

Molecular Weight

47.5 kDa (424aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M urea

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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Amino acid Sequence

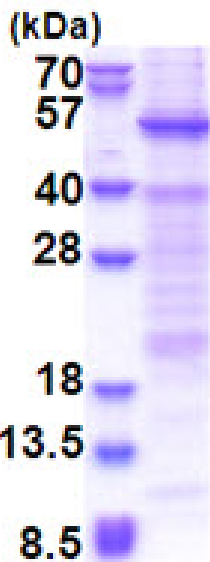
MGSSHHHHHHH SSGLVPRGSH MGSMHVSVSE TQDVSPKDEL TASEASTRSP LCEHTFPGDS DLRSMIEEHA FQVLSQGSLL
ESPSYTVCVS EPDKDDDFLS LNFPRKLWKI VESDQFKSIS WDENGTCIVI NEELFKKEIL ETKAPYRIFQ TDAIKSFVRQ
LNLYGFSKIQ QNFQRSAFLA TFLSEEKES VLSKLFYFN PNFKRGYPQL LVRVKRRIGV KNASPISTLF NEDFNKHHFR
AGANMENHNS ALAAEASEES LFSASKNLNM PLTRESSVRQ IANSSVPIR SGFPPSPST SVGPSEIAT DQHAILNQLT
TIHMHSHTY MQARGHIVNF ITTTTSQYHI ISPLQNGYFG LTVEPSAVPT RYPLVSVNEA PYRNMLPAGN PWLQMPTIAD
RSAAPHSRLA LQPSPLDKYH PNYN

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)