

HSFY1, 1-401aa, Human, His tag, E.coli

Cat.NO.: TP02516

3th Edition

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

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 .

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M Urea

Molecular Weight:47.5kDa (424aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMahVSSETQDVSPKDELTASeASTRSPLCeHTFPGDSDLRSMIEEHAFQVL
SQGSLLSPSYTVCVSEPDKDDDFLSLNFPRKLWKIVESDQFKSISWDENGTCIVINEELFKKEILETKAPYRIFQTDA
IKSFVRQLNLYGFSKIQQNFQRSAFLATFLSEEKESVLSKLKFYYNPNFNRGYPQLLVRVKRRIGVKNASPISTLFN
EDFNKKHFRAGANMENHNSALAAEASEESLFSASKNLNMPLTRESSVRQIIANSSVPIRSGFPPSPSTSVGPSEQL
ATDQHAILNQLTTIHMHSHSTYMQARGHIVNFITTTTSQYHIISPLQNGYFGLTVEPSAVPTRYPLVSVNEAPYRNML
PAGNPWLQMPTIADRSAAPH SRLALQPSPLDKYHPNYN

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.