

HSPBP1, 1-362aa, Human, His tag, E.coli

Cat.NO.: TP02540

3th Edition

Synonyms:Hsp70-binding protein 1, HSPBP, FES

Description:Hsp70-binding protein 1, also known as HSPBP1, belongs to a family of eukaryotic proteins identified as nucleotide exchange factors for HSP 70, which exhibit varying degrees of compartment and species specificity. It is localized primarily in cytoplasm and nucleus but is also found extracellularly. HspBP1 binds to HSP 70, inhibits its activity and promotes dissociation of nucleotides from the HSP 70 ATPase domain.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT,30% glycerol, 2mM EDTA, 0.1M NaCl

Molecular Weight:41.6 kDa (382aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMSDEGSRGSRLPLALPPASQGCSSGGGGGGGGSSAGGSGNSRPPRNLQGLL
QMAITAGSEEPDPPPEPMSEERRQWLQEAMSAAFRGQREEVEQMKSLRVLSQPMPPTAGEAEQAADQQEREG
ALELLADLCENMDNAADFCQLSGMHLLVGRYLEAGAAGLRWRAAQLIGTCSQNVAIQEVVLGLGALRKLRLDR
DACDTRVVKALFAISCLVREQEAGLLQFLRLDGFVLMRAMQQQVQKLKVKSAFLLQNLLVGHPEHKGTLCMGM
VQQLVALVRTEHSPFHEHVLGALCSLVDFPQGVRECREPELGLELLRHRCQLLQQHEEYQEELEFCEKLLQTCF
SSPADDSMDR

Purity:> 95% by HPLC

Concentration:0.5mg/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.