

Recombinant Human HSPBP1, His-tagged

Cat. No. HSPBP1-2408H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSPBP1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 41.6 kDa (382aa).
Species	Human
Source	E.coli
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. It is mainly expressed in heart and skeletal muscle.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 30% glycerol, 2mM EDTA, 0.1M NaCl.
Purity	> 95% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSDEGSRGSR LPLALPPASQ GCSSGGGGGG GGSSAGGSG NSRPPRN LQG LLQMAITAGS EEPDPPPEPM SEERRQWLQE AMSAAFRGQR EEVEQMK SCL RVLSQPMPT AGEAEQAADQ QEREGALELL

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ADLCENMDNA ADFCQLSGMH LLVGRYLEAG AAGLRWRAAQ LIGTCSQNVA
 AIQEQLGLG ALRKLLRLLD RDACDTRVK ALFAISCLVR EQEAGLLQFL
 RLDGFSVLMR AMQQVQKLVK VKSAFLLQNL LVGHPEHKGK LCSTMGMVQQL
 VALVRTEHSP FHEHVLGALC SLVTDFPQGV RECREPELGL EELLRHRCQL
 LQQHEEYQEE LEFCEKLLQT CFSSPADD SM DR.

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.

GENE INFORMATION

Gene Name [HSPBP1 HSPA \(heat shock 70kDa\) binding protein, cytoplasmic cochaperone 1 \[Homo sapiens \]](#)

Synonyms HSPBP1; HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1; FES1; Hsp70 binding protein 1; hsp70-interacting protein;hsp70 interacting protein

Gene ID [23640](#)

mRNA Refseq [NM_001130106](#)

Protein Refseq [NP_001123578](#)

MIM [612939](#)

UniProt ID [Q9NZL4](#)

Chromosome Location 19q13.42

Function enzyme inhibitor activity; protein binding

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