

Recombinant Human HSPA (Heat Shock 70 KDa) Binding Protein, Cytoplasmic Cochaperone 1, His-tagged

Cat. No. HSPBP1-5041H **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.
Species	Human
Source	Human
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.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 2mM DTT, 30% glycerol, 2mM EDTA and 0.1M NaCl.
Purity	> 95% by SDS - PAGE
Sequence	1-362 amino acids: MGSSHHHHHH SSGLVPRGSH MSDEGSRGSR LPLALPPASQ GCSSGGGGGG GGGSSAGGSG NSRPPRNMQG LLQMAITAGS EEPDPPPEPM SEERRQWLQE AMSAAFRRGQR EEVEQMKSCS RVLSQPMPT AGEAEQAADQ

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QEREGALELL ADLCENMDNA ADFCQLSGMH LLVGRYLEAG AAGLRWRAAQ
LIGTCSQNVA AIQEQLGLG ALRKL

Molecular Mass 41.6 kDa (382aa)

Applications SDS-PAGE

Storage Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

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

Official Symbol HSPBP1

Synonyms HSPBP1; HSPBP; HspBP2; hspBP2; HspBP1; HspBP11; HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1; FES1; FES11; Heat shock protein-binding protein1; Hsp70-interacting protein 1; Hsp70-interacting protein 2; Hsp70 binding protein 1; hsp70-binding protein 2; hsp70 interacting protein; hsp70-interacting protein 1; hsp70-interacting protein 2; heat shock protein-binding protein 1

Gene ID 23640

mRNA Refseq NM_001130106

Protein Refseq NP_001123578

MIM 612939

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UniProt ID	Q9NZL4
Chromosome Location	19q13.42
Pathway	Protein processing in endoplasmic reticulum
Function	enzyme inhibitor activity; protein binding
PDBrendering based on 1xqr.	