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 GGGSSAGGSG NSRPPRNLQG LLQMAITAGS EEPDPPPEPM SEERRQWLQE AMSAAFRGQR EEVEQMKSCL RVLSQPMPPT AGEAEQAADQ QEREGALELL

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	ADLCENMDNA ADFCQLSGMH LLVGRYLEAG AAGLRWRAAQ LIGTCSQNVA AIQEQVLGLG ALRKLLRLLD RDACDTVRVK ALFAISCLVR EQEAGLLQFL RLDGFSVLMR AMQQQVQKLK VKSAFLLQNL LVGHPEHKGT LCSMGMVQQL VALVRTEHSP FHEHVLGALC SLVTDFPQGV RECREPELGL EELLRHRCQL LQQHEEYQEE LEFCEKLLQT CFSSPADDSM 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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