Recombinant human HSPBP1 protein

Catalog Number: ATGP0554

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-362aa

UniProt No.
Q9NZL4

NCBI Accession No.
AAH01236

Alternative Names
Hsp70-binding protein 1, HSPBP, FES, Hsp70-binding protein 1 500019G21Rik, FES1, Heat shock protein 70 binding protein, Heat shock protein 70 interacting protein, Heat shock protein binding protein 1, Heat-shock 70-KD protein-binding protein 1, Hsp 70 binding protein, Hsp 70 interacting protein, Hsp70 binding protein 1, Hsp70 binding protein 2, Hsp70 interacting protein 1, Hsp70 interacting protein 2, HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1, HSPA-binding protein 1, HspBP1, HspBP2,

PRODUCT SPECIFICATION

Molecular Weight
41.6 kDa (382aa)

Concentration
0.5mg/ml (determined by Bradford assay)

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

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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. Recombinant human HSPBP1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

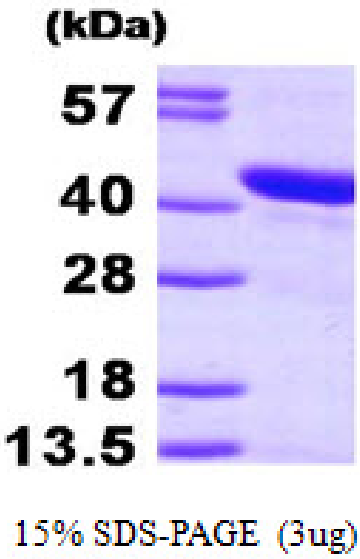
MGSSHHHHHH SSGLVPRGSH MSDEGSRGSR LPLALPPASQ GCSSGGGGGG GGGSSAGGSG NSRPPRNLQG LLQMAITAGS EEPDPPPEPM SEERRQWLQE AMSAAFRGQR EEVEQMKSCL RVLSQPMPPT AGEAEQAADQ QEREGALELL ADLCENMDNA ADFCQLSGMH LLVGRYLEAG AAGLRWRAAQ LIGTCSQNVA AIQEQVLGLG ALRKLLRLLD RDACDTVRVK ALFAISCLVR EQEAGLLQFL RLDGFSVLMR AMQQQVQKLK VKSAFLLQNL LVGHPEHKGT LCSMGMVQQL VALVRTEHSP FHEHVLGALC SLVTDFPQGV RECREPELGL EELLRHRCQL LQQHEEYQEE LEFCEKLLQT CFSSPADDSM DR

General References

Ewdonin A., et al. (2009) Biol Cell. 101(6):351-60.
Souza AP., et al. (2009) Cell Stress Chaperones. 14(3): 301-10.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.