Recombinant human HSP70B/HSPA6 protein

Catalog Number: ATGP0428

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-643aa

UniProt No.
P17066

NCBI Accession No.
NP_002146

Alternative Names
Heat shock 70 kDa protein 6, HSPA6', Heat shock 70 kDa protein 6 Heat shock 70 kDa protein B',

PRODUCT SPECIFICATION

Molecular Weight
73.2 kDa (663aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 10% glycerol

Purity
> 90% 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
HSP70B is a unique member of the human Hsp70 chaperone involved in cellular processes such as protein trafficking, folding, and prevention of aggregation. This protein is strictly stress-inducible, having little or no basal expression levels in most cells. HSP70B and Hsp72 are closely related and play cooperative roles in cell survival of proteotoxic stress. Recombinant human HSP70B, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

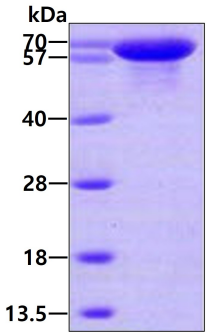
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General References

Noonan E., et al. (2008). Exp Cell Res. 314(13):2468-76.
Hightower LE., et al. (2007). Cell Stress Chaperones. 12(4):393-402.

DATA

SDS-PAGE



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