Recombinant human HSBP1 protein

Catalog Number: HSB3001

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-76aa

UniProt No.
O75506

NCBI Accession No.
NP_001528.1

Alternative Names
Heat shock factor binding protein 1, NPC-A-13, HSF1BP, Nasopharyngeal carcinoma-associated antigen 13, NPC-A-13, Heat shock factor-binding protein 1, Heat shock factor binding protein 1, Nasopharyngeal carcinoma associated antigen 13, NPC A 13, NPCA 13,

PRODUCT SPECIFICATION

Molecular Weight
8.5 kDa (76aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing, 50mM NaCl, 20% glycerol

Purity
> 95% by SDS-PAGE

Tag
Non-Tagged

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
Heat shock factor binding protein 1 (HSBP1) is a 76 amino acid protein that binds to heat shock factor 1 (HSF1), which is a transcription factor involved in the HS response. HSBP1 is nuclear-localized and interacts with the active trimeric state of HSF1 to negatively regulated HSF1 DNA-binding activity. This protein was overexpressed in E. coli and was purified to apparent homogeneity by using conventional column chromatography techniques.

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Amino acid Sequence

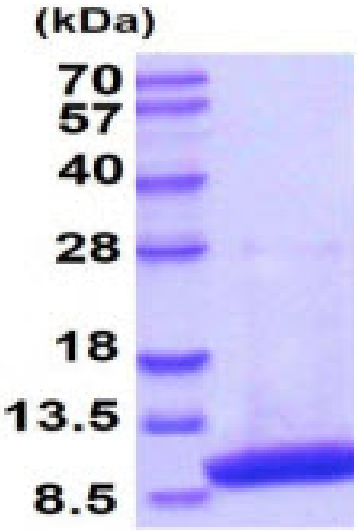
MAETDPKTVQ DLTSVVQTLL QQMQDKFQTM SDQIIGRIDD MSSRIDDLEK NIADLMTQAG VEELESENKI PATQKS

General References

Morimoto,R.I., et al. (1997) Essays Biochem. 32,17-29.
Satyal,S.H., et al. (1998) Genes Dev. 12(13) 1962-1974.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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