

Recombinant human GRP75/HSPA9B protein

Catalog Number: HSP0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

47-679aa

UniProt No.

P38646

NCBI Accession No.

NP_004125.3

Alternative Names

Heat shock 70kDa protein 9, Mortalin, GRP75, mot-2, HSPA9B, PBP74, CSA, HSPA9, Heat shock 70kDa protein 9, Heat shock 70kDa protein 9, heat shock 70kDa protein 9 (mortalin), heat shock 70kDa protein 9B (mortalin-2), mthsp75

PRODUCT SPECIFICATION

Molecular Weight

71 kDa (654aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.5mM DTT, 10% glycerol

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

HSPA9 belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. HSPA9 was localized to chromosome 5, band q31, a region that is frequently deleted in myeloid leukemias and myelodysplasia (MDS), making it a candidate tumor suppressor gene, which is consistent with the biological function of its murine homologue. Also it inhibits nuclear translocation, transcriptional

Recombinant human GRP75/HSPA9B protein

Catalog Number: HSP0901

activation, and control of centrosome-duplication functions of p53. Recombinant human HSPA9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

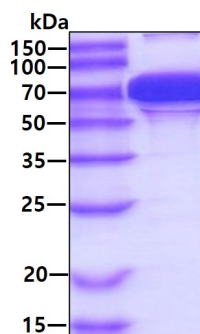
<MGSSHHHHH SSGLVPRGSH M>ASEAIKGAV VGIDLGTTNS CVAVMEGKQA KVLENAEGAR TTPSVVAFTA
DGERLVGMPA KRQAVTNPNN TFYATKRLIG RRYDDPEVQK DIKNVPFKIV RASNGDAWVE AHGKLYSPSQ IGAFVLMKMK
ETAENYLGHT AKNAVITVPA YFNDSQRQAT KDAGQISGLN VLRVINEPTA AALAYGLDKS EDKVIAYVDL GGGTFDISIL
EIQKGVFEVK STNGDTFLGG EDFDQALLRH IVKEFKRETG VDLTKDNMAL QRVREAAEKA KCELSVVQT DINLPYLTMD
SSGPKHLNMP LTRAQFEGIV TDLIRRTIAP CQKAMQDAEV SKSDIGEVIL VGGMTRMPKV QQTVDLFGFR APSKAVNPDE
AVAIGAAIQG GVLADVDV LLLDVTPLSL GIETLGGVFT KLINRNTTIP TKKSQVFSTA ADGQTQVEIK VCQGEREMAG
DNKLLGQFTL IGIPPAPRGV PQIEVTFDID ANGIVHVS AKDKGTGREQQI VIQSSGGLSK DDLENMVKNA EKYAEEDRRK
KERVEAVNMA EGIIHDTETK MEEFKDQLPA DECNKLKEEI SKMRELLARK DSETGENIRQ AASSLQQASL KLFEMAYKKM
ASEREGSGSS GTGEQKEDQK EEKQ

General References

Xie H., et al. (2000) Leukemia. 14(12):2128-34
Deocaris CC., et al. (2007) Ann N Y Acad Sci. 1119:165-75

DATA

SDS-PAGE



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