

Recombinant human HSPH1 protein

Catalog Number: HSP0803

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-858aa

UniProt No.

Q92598

NCBI Accession No.

NP_006635

Alternative Names

Heat shock 105kDa/110kDa protein 1, HSPH1, Heat shock 105kDa/110kDa protein 1, HSP105alpha, HSP105-alpha, Heat shock 105kDa/110kDa protein 1 Antigen NY CO 25, DKFZp686M05240, Heat shock 105kD, Heat shock 105kD alpha, Heat shock 105kD beta, Heat shock 105kDa protein, Heat shock 105kDa protein 1, Heat shock 110kDa protein, Heat shock protein 105 kDa, HSP105A, HSP105B, HSP110, HSPH 1, KIAA0201, NY CO 25.

PRODUCT SPECIFICATION

Molecular Weight

100.9 kDa (894aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50mM NaCl

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

Hsp105 is a mammalian member of the HSP105/110 family, a diverged subgroup of the HSP70 family. HSP105 exists as two isoforms, alpha and beta. Hsp105 alpha associates with Hsp70/Hsc70 as complexes in vivo and regulates the chaperone activity of Hsp70/Hsc70 negatively in vitro and in vivo. Recombinant His tagged HSP105

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alpha was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

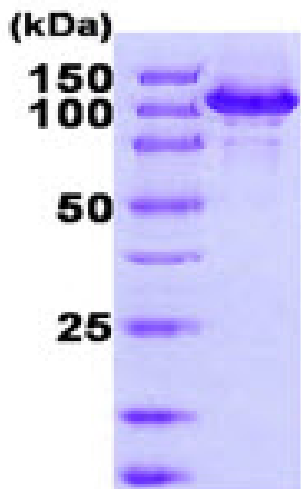
MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSMVSV GLDVGSQSCY IAVARAGGIE TIANEFSDRC
TPSVISFGSK NRTIGVAAKN QQITHANNTV SNFKRFHGRA FNDPFIQKEK ENLSYDLVPL KNGGVGIVKM YMGEEHLFSV
EQITAMLLTK LKETAENSLK KPVTDCVISV PSFFTDAERR SVLDAAQIVG LNCLRLMNDM TAVALNYGIY KQDLPSLDEK
PRIVVFVDMG HSAFQVSACA FNKGKLVVLG TAFDPFLGGK NFDEKLVEHF CAEFKTKYKL DAKSKIRALL RLYQECEK
KLMSSNSTDL PLNIECFMND KDVSGKMNRS QFEELCAELL QKIEVPLYSL LEQTHLKVED VSAVEIVGGA TRIPAVKERI
AKFFGKDIST TLNADEAVAR GCALQCAILS PAFKVREFSV TDAVPFISL IWNHDSDETE GVHEVFSRNH AAPFSKVLTF
LRRGPFLEA FYSDPQGVYV PEAKIGRFVQ QNVSAQKDGE KSRVKVKVRV NTHGIFTIST ASMVEKVPT EENMSSEADM
ECLNQRPPEN PDTDKNVQQD NSEAGTQPVV QTDAQQTSQS PPSPELTSEE NKIPDADKAN EKKVDQPPEA KKP
KIKVNVV ELPIEANLVW QLGKDLLNMY IETEGKMIQ DKLEKERNDA KNAVEEYVYE FRDKLCGPYE KFICEQDHQN
FLRLLTETED WLYEEGEDQA KQAYVDKLEE LMKIGTPVKV RFQEAERPK MFEELGQRLQ HYAKIAADFR NKDEKYNHID
ESEMKKVEKS VNEVMWMMN VMNAQAKKSL DQDPVVRAQE IKTKIKELNN TCEPVVTQPK PKIESPKLER TPNGPNIDKK
EEDLEDKNNF GAEPHQNGE CYPNEKNSVN MDLD

General References

Yamagishi N., et al. (2006) *Exp Cell Res.* 312(17):3215-23.
Wang XY., et al. (2001) *J Immunol.* 166(1):490-7.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)