

Recombinant Human Heat Shock 105kDa/110kDa Protein 1, His-tagged

Cat. No. HSPH1-328H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HSP105, fused to His tag, was expressed in E.coli and purified by using conventional chromatography techniques (894 aa,100.9 kDa).
Species	Human
Source	E.coli
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.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 50 mM NaCl.
Molecular Weight	100.9 kDa (894aa).
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMVSV GLDVGSQSCY IAVARAGGIE TIANEFSDRC TPSVISFGSK NRTIGVAAKN QQITHANNTV SNFKRFHGRA FNDPFIQKEK ENLSYDLVPL KNNGVGIVKM YMGEEHLFSV EQITAMLLTK LKETAENSLK KPVTDCVISV PSFFTD AERR SVLDAAQIVG

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LNCLRLMNDM TAVALNYGIY KQDLPSLDEK PRIVVFVDMG HSAFQVSACA
 FNKGKLVLG TAFDPFLGGK NFDEKLVEHF CAEFKTKYKL DAKSKIRALL
 RLYQECEKLK KLMSSNSTDL PLNIECFMND KDVSGKMNRS QFEELCAELL
 QKIEVPLYSL LEQTHLKVED VSAVEIVGGA TRIPAVKERI AKFFGKDIST
 TLNADEAVAR GCALQCAILS PAFKVREFSV TDAVPPFISL IWNHDSDETE
 GVHEVFSRNH AAPFSKVLTF LRRGPFELEA FYSDPQGVVY PEAKIGRFV
 QNVSAQKDGE KSRVKVKVRV NTHGIFTIST ASMVEKVPTE ENEMSSEADM
 ECLNQRPPEN PDTDKNVQQD NSEAGTQPQV QTDAQQTSQS PPSPELTSEE
 NKIPDADKAN EKKVDQPPEA KKPKIKVVNV ELPIEANLVW QLGKDLLNMY
 IETEGKMIMQ DKLEKERNDA KNAVEEYVYE FRDKLCGPYE KFICEQDHQN
 FLRLLTETED WLYEEGEDQA KQAYVDKLEE LMKIGTPVKV RFQEAERPK
 MFEELGQRLQ HYAKIAADFR NKDEKYNHID ESEMKKVEKS VNEVMEWMNN
 VMNAQAKKSL DQDPVVRAQE IKTKIKELNN TCEPVVTQPK PKIESPKLER
 TPNGPNIDKK EEDLEDKNNF GAEPHQNGE CYPNEKNSVN MDLD

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

HSPH1

Synonyms

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

Gene ID

10808

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mRNA Refseq	NM_006644.2
Protein Refseq	NP_006635.2
MIM	610703
UniProt ID	Q92598
Chromosome Location	13q12.3
Function	ATP binding; nucleotide binding.

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