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 KDRWGSMSVV GLDVGSQSCY IAVARAGGIE TIANEFSDRC TPSVISFGSK NRTIGVAAKN QQITHANNTV SNFKRFHGRA FNDPFIQKEK ENLSYDLVPL KNGGVGIKVM YMGEEHLFSV EQITAMLLTK LKETAENSLK KPVTDCVISV PSFFTDAERR SVLDAAQIVG

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	LNCLRLMNDM TAVALNYGIY KQDLPSLDEK PRIVVFVDMG HSAFQVSACA FNKGKLKVLG TAFDPFLGGK NFDEKLVEHF CAEFKTKYKL DAKSKIRALL RLYQECEKLK KLMSSNSTDL PLNIECFMND KDVSGKMNRS QFEELCAELL QKIEVPLYSL LEQTHLKVED VSAVEIVGGA TRIPAVKERI AKFFGKDIST TLNADEAVAR GCALQCAILS PAFKVREFSV TDAVPFPISL IWNHDSEDTE GVHEVFSRNH AAPFSKVLTF LRRGPFELEA FYSDPQGVPY PEAKIGRFVV QNVSAQKDGE KSRVKVKVRV NTHGIFTIST ASMVEKVPTE ENEMSSEADM ECLNQRPPEN PDTDKNVQQD NSEAGTQPQV QTDAQQTSQS PPSPELTSEE NKIPDADKAN EKKVDQPPEA KKPKIKVVNV ELPIEANLVW QLGKDLLNMY IETEGKMIMQ DKLEKERNDA KNAVEEYVYE FRDKLCGPYE KFICEQDHQN FLRLLTETED WLYEEGEDQA KQAYVDKLEE LMKIGTPVKV RFQEAEERPK MFEELGQRLQ HYAKIAADFR NKDEKYNHID ESEMKKVEKS VNEVMEWMNN VMNAQAKKSL DQDPVVRAQE IKTKIKELNN TCEPVVTQPK PKIESPKLER TPNGPNIDKK EEDLEDKNNF GAEPPHQNGE 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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