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AR03010PU-L Recombinant human HSP105 alpha (Heat Shock Protein 105 Isoform alpha) (aa 1-858), His-tagged

Alternate names: Antigen NY-CO-25, HSP-105, HSP110, HSPH1, Heat shock 110 kDa protein, KIAA0201

Quantity: 0.5 mg

Concentration: 1.0 mg/ml

Background: 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.

Uniprot ID: Q92598

NCBI: NP_006635.2

GeneID: 10808

Species: Human

Source: E. coli, *E. coli*

Format:
State: Liquid purified protein
Purity: ›90% › 90% by SDS PAGE
Buffer System: 20 mM Tris pH 8.0, 50 mM NaCl

Description: Recombinant His tagged HSP105α was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

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

Molecular weight: 100 kDa 100 kDa (894 aa)

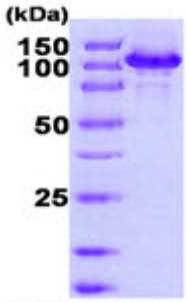
Add. Information: NCBI Accession No.: NP_006635

Storage: Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

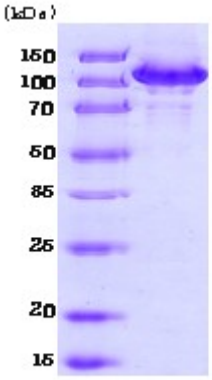
General Readings:
Yamagishi N., et al. (2006) Exp Cell Res. Oct 15; 312 17):3215-23.
Wang XY., et al. (2001) J Immunol. Jan 1; 166(1):490-7.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Pictures:



15% SDS-PAGE (3ug)



12%SDS-PAGE(3 μg)

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