

HSP105? 1-858 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02519

3th Edition

Synonyms:Heat shock 105kDa/110kDa protein 1, HSPH1

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

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 50 mM NaCl

Molecular Weight:100.9kDa (894aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSVVGGLDVGSQSCYIAVARAGGIETIANEFSDRCTPS
VISFGSKNRTIGVAAKNQQITHANNTVSNFKRFHGRAFNDFPIQKEKENLSYDLVPLKNGGVGIVMYMGEEHLFSV
EQITAMLLTKLKETAENSLKKPVTDVVISVPSFFTD AERRSVLDAAQIVGLNCLRLMNDMTAVALNYGIYKQDLPSLD
EKPRIVVFVDMGHSAFQVSACAFNKGKLVLTAFD PFLGGKNFDEKLVEHFCAEFKTKYKLDKSKIRALLRLYQE
CEKLLKLMSSNSTDLPLNIECFMNDKDVSGKMNRSQFEELCAELLQKIEVPLYSLLEQTHLKVEDVSAVEIVGGATRI
PAVKERIAKFFGKDISTTLNADEAVARGCALQCAILSPA FKVREFSVTDAVPFPISLIWNHDS EDTEGVHEVFSRNHA
APFSKVLTLFRRGPFLEAFYSDPQGVPYPEAKIGRFV VQNVSAQKDGEKSRVKVKVRVNTHGIFTISTASMVEKVP
TEENEMSSEADMECLNQRPPENPDTDKNVQQDNSEAGTQPQVQTDAQQTSQSPPSELTSEENKIPDADKANEK
KVDQPPEAKPKIKVVNVELPIEANLVWQLGKDLLNMYIETEGKMIMQDKLEKERNDKNAVEEYVYEFRDKLCGP
YEKFICEQDHQNFLRLLTETEDWL YEEGEDQAKQAYVDKLEELMKIGTPVKVRFQEAERPKMFEELGQRLQHYAK
IAADFRNKDEKYNHIDSEMKKVEKSVNEVMEWMNVMNAQAKKSLDQDPVVRAQEIKTKIKELNNTCEPVVTQPK
PKIESPKLERTPNGPNIDKKEEDLEDKNNFGAEPHQNGECYPNEKNSVNMDLD

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.