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Hsp104(amino acids 1-908) Saccharomyces cerevisiae, Recombinant, E.coli

产品货号: TP02518

第三版

别名: Heat shock protein 104

描述: Hsp104 is a molecular chaperone required for stress tolerance and for maintenance of [psi(+)] prions in the budding yeast Saccharomyces cerevisiae. Hsp104 can protect yeast cells against high temperature and high concentration of ethanol but mutation studies have shown this protein is not required for normal growth. Hsp104 was cloned into an E. coli expression vector and was purified to apparent homogeneity by using conventional column chromatography techniques.

配方: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl, 2 mM EDTA, 5% glycerol

分子量: 102kDa (908aa), confirmed by MALDI-TOF

序列:

MNDQQTQFTERALTILT LAQKLASDHQHPQLQPIHILAAFIETPEDGSVPYLQNLIEKGRYDYDLFKKVVNRNLVRIPQQQP
APAEITPSYALGKVLQDAAKIQKQKQKDSFIAQDHILFALFNDSSIQQIFKEAQVDIEAIKQQAELRGNTRIDSRGADTNTPL
EYLSKYAIDMTEQARQKGLDPVIGREEEIRSTIRVLARRIKSNPCLIGEPGIGKTAIIEGVAQRIIDDDVPTILQGAKLFLDLA
ALTAGAKYKGDFFERFKGVLKEIEESKTLIVLFIDEIHMLMGNGKDDAANILKPALSRGQLK VIGATTNNEYRSIVEKDGAF
ERRFQKIEVAEPSVRQTVAILRGLQPKYEIHHGVRILDSALV TAAQLAKRYLPYRRLPDSALDLVDISCAGVAVARDSKPEEL
DSKERQLLIQVEIKALERDEADSTTKDRCLKARQKEASLQEELEPLRQRYNEEKHGHEELTQAKKKLDELENKALDAER
RYDTATAADLRYFAIPDIKKQIEKLEDQVAEEERRAGANSMIQNVVDSDTISETAARLTGIPVKKLSESENEKLIHMERDLSS
EVVGQMDAIIKAVSNAVRLSRGLANPRQPASFLFLGLSGSGKTELAKKVAGFLFNDEDMMIRVDCSESEKYAVSKLLGTT
AGYVGYDEGGFLTNQLQYKPYSVLLFDEVEKAHPDVLTVMLQMLDDGRITSGQGKTIDCSNCIVIMTSNLGAEFINSQQG
SKIQUESTKNLVMGAVRQHFRPEFLNRISSIVIFNKLSRKAIHKIVDIRLKEIERFEQNDKHYKLNLTQEAKDFLAKYGYSD
MGARPLNRLIQNEILNKLALRILKNEIKDKETVNVVLLKKGKSRDENVP EEAEECLEVLPNHEATIGADTLGDDDNEDSMEI
DDDL

纯度: > 95% by HPLC

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

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.