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HSP47(Colligin), 18-418aa, Human, His-Tagged, Recombinant, E.coli

产品货号: TP02522

第三版

别名:Collagen-binding protein, Serpin H1, SERPINH1, RA-A47, AsTP3

描述:Heat shock protein 47(HSP47), also known as Colligin or Serpin H1, is a serpin which serves as a human chaperone protein for collagen. This protein is a member of the serpin superfamily of serine proteinase inhibitors. Its expression is induced by heat shock. The protein acts as a molecular chaperone facilitating the folding and assembly of procollagen molecules, retaining unfolded molecules within the ER, and assisting the transport of correctly folded-molecules from the ER to Golgi apparatus.

配方:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol.

分子量:48.9 kDa (439 aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMAAEVKKPAAAAAPGTAEKLSPKAATLAERSAGLAFSLYQAMAKDQAVENILVSPVVV
ASSLGLVSLGGKATTASQAKAVLSAEQLRDEEVHAGLGELLRSLNSTARNVTWKLGSRLYGPSSVSFADDFVRSKQHYN
CEHSKINFRDKRSALQSINEWAAQTDDGKLPEVTKDVERTDGALLVNAMFFKPHWDEKFFHHKMVDNRGFMVTRSYTV
GVMMMHRTGLYNYDDDEKEKLQIVEMPLAHLSSLILMPHHVEPLERLEKLLTKEQLKIWMGKMQKKAVAIPLPKGVV
EVTHDLQKHLAAGLGLTEAIDKNKADLSRMSGKKDLVLA SVFHATAFELDTDGNPFDQDIYGREELRSPKLFYADHPPIFLV
RDTQSGSLLFIGRLV RPKGDKMRDEL

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.