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HSP60, 27-573aa

产品货号: TP02524

第三版

别名:60 kDa heat shock protein, mitochondrial, CPN60, GROEL, HLD4, HSP-60, HSP60, HSP65, HuCHA60, SPG13.

描述:HSP60 is a mitochondrial chaperonin that is typically held responsible for the transportation and refolding of proteins from the cytoplasm into the mitochondrial matrix. In addition to its role as a heat shock protein, HSP60 functions as a chaperonin to assist in folding linear amino acid chains into their respective threedimensional structure. Through the extensive study of groEL, HSP60 's bacterial homolog, HSP60 has been deemed essential in the synthesis and transportation of essential mitochondrial proteins from the cell's cytoplasm into the mitochondrial matrix. Recombinant human HSP60 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol.

分子量:60 kDa (572aa)

序列:

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MGSSHHHHHSSGLVPRGSHMGSHMAKDVKFGADARALMLQGVDLLADAVAVTMGPKGRTVIIEQSWGSPKVTKDG
VTVAKSIDLKDKYKNIGAKLVQDVANNTNEEAGDGTATVTLARSLIAKEGFEEKISGANPVEIRRGVMLAVDAVIAELKK
QSKPVTTPPEEIAQVATISANGDKEIGNIISDAMKKVGRKGVITVKDGKTLNDELEIIEGMKFDRGYISPYFINTSKGQKCEFQ
DAYVLLSEKKISSIQSIVPALEIANAHKPLVIAEDVDGEALSTLVNRLKVGLQVVAVKAPGFGDNRKNQLKDMAIATGG
AVFGEEGLTLNLEDVQPHDLGKVGEVIVTKDDAMLLKKGDKAQIEKRIQEIEQLDVTTSEYEKEKLNERLAKLSDGVAV
LKVGGTSDVEVNEKKDRVTDALNATRAAVEEIVLGGGCALLRCIPALDSLTPANEDQKIGIEIIRTLKIPAMTIKNAV
EGLLIVEKIMQSSSEVGYDAMAGDFVNMVEKGIIDPTKVVRTALLDAAGVASLLTTAEVVVTEIPKEEKDPGMGAMGGM
GGMGGGMF
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纯度:> 95% by HPLC

浓度:0.5 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.