abcam

Product datasheet

Recombinant human Hsp60 protein ab78430

1 References 1 图像

描述

产品名称	重组人Hsp60蛋白
生物活性	ab78430 has ATPase activity at the time of manufacture of 3.6μM phosphate liberated/hr/μg protein in a 200μl reaction at 37°C (pH7.5) in the presence of 20ul of 1mM ATP using a Malachite Green assay.
纯度	> 90 % SDS-PAGE. ab78430 is affinity purified.
表达系统	Escherichia coli
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab78430** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Western blot ELISA Competitive Binding Assays
形式	Liquid

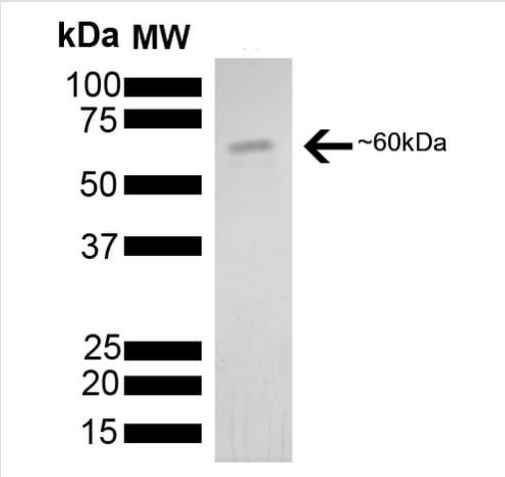
制备和贮存

稳定性和存储	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. Preservative: 1.36% Imidazole Constituents: 0.87% Sodium chloride, 10% Glycerol (glycerin, glycerine), 0.328% Sodium phosphate This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

功能	Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix.
疾病相关	Defects in HSPD1 are a cause of spastic paraplegia autosomal dominant type 13 (SPG13) [MIM:605280]. Spastic paraplegia is a degenerative spinal cord disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs. Defects in HSPD1 are the cause of leukodystrophy hypomyelinating type 4 (HLD4) [MIM:612233]; also called mitochondrial HSP60 chaperonopathy or MitCHAP-60 disease. HLD4 is a severe autosomal recessive hypomyelinating leukodystrophy. Clinically characterized by infantile-onset rotary nystagmus, progressive spastic paraplegia, neurologic regression, motor impairment, profound mental retardation. Death usually occurrs within the first two decades of life.
序列相似性	Belongs to the chaperonin (HSP60) family.
细胞定位	Mitochondrion matrix.

图片



SDS-PAGE - Recombinant human Hsp60 protein (ab78430)

SDS-PAGE of 60kDa Hsp60 protein (ab78430)

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