abcam

Product datasheet

Recombinant human Hsp60 protein ab78430

1 References 画像数 1

製品の詳細

製品名	Recombinant human Hsp60 protein
生理活性	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.
精製度	> 90 % SDS-PAGE. ab78430 is affinity purified.
発現系	Escherichia coli
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
タグ	His tag N-Terminus

特性

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.

アプリケーション	SDS-PAGE Western blot ELISA Competitive Binding Assays
製品の状態	Liquid

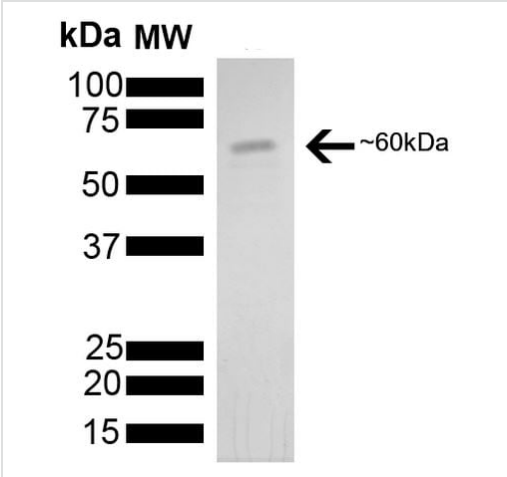
前処理および保存

保存方法および安定性	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.

関連情報

機能	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.
関連疾患	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.
配列類似性	Belongs to the chaperonin (HSP60) family.
細胞内局在	Mitochondrion matrix.

画像



SDS-PAGE - Recombinant human Hsp60 protein (ab78430)

SDS-PAGE of 60kDa Hsp60 protein (ab78430)

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