

Recombinant human Hsc70 protein ab78431

5 References 2 图像

描述

产品名称	重组人Hsc70蛋白
生物活性	ab78431 has ATPase activity at the time of manufacture of 3.2 μ M phosphate liberated/hr/ μ g protein in a 200 μ l reaction at 37°C (pH 8) in the presence of 20 μ l of 1 mM ATP using a Malachite Green assay.
纯度	> 90 % Affinity purified. ab78431 is affinity purified.
表达系统	Escherichia coli
Accession	<u>P11142</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	73 kDa including tags
氨基酸	1 to 646
标签	His tag N-Terminus
额外的序列信息	His tag

技术指标

Our **Abpromise guarantee** covers the use of **ab78431** in the following tested applications.

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

应用	Western blot
	ELISA
	Functional Studies
	Competitive Binding Assays
	SDS-PAGE
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.

pH: 8

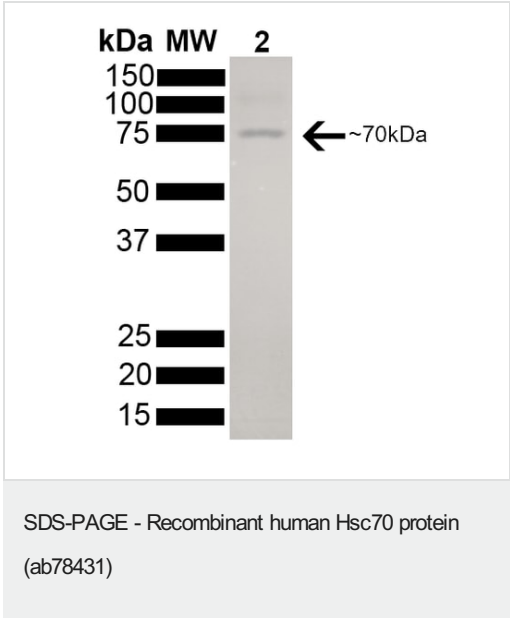
Constituents: 1.753% Sodium chloride, 0.788% Tris HCl

This product is an active protein and may elicit a biological response in vivo, handle with caution.

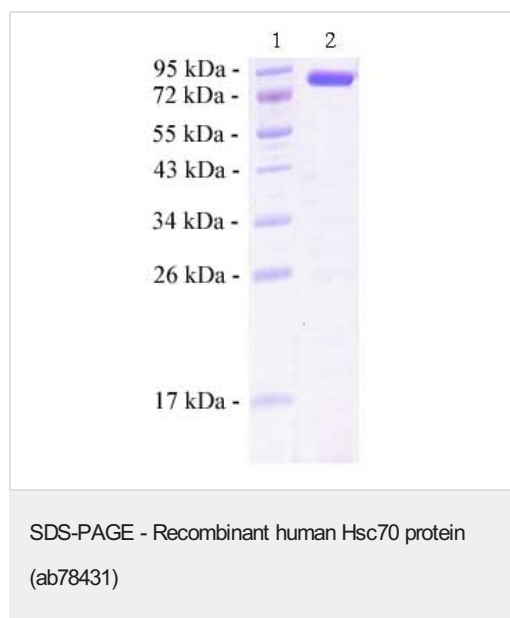
常规信息

功能	Acts as a repressor of transcriptional activation. Inhibits the transcriptional coactivator activity of CITED1 on Smad-mediated transcription. Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones.
组织特异性	Ubiquitous.
序列相似性	Belongs to the heat shock protein 70 family.
结构域	The N-terminal 1-386 residues constitute the ATPase domain, while residues 387-646 form the peptide-binding domain.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR. ISGylated.
细胞定位	Cytoplasm. Melanosome. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



SDS-PAGE of 73kDa Hsc70 protein.



Lane 1. Molecular weight ladder

Lane 2. Hsc70 protein

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