

Product datasheet

Recombinant Mouse Hsp27 protein ab92457

1 References 2 图像

概述

产品名称 重组小鼠Hsp27蛋白  
 蛋白长度 Full length protein

描述

性质 Recombinant  
 来源 Escherichia coli  
 氨基酸序列  
 种属 Mouse

技术指标

Our [Abpromise guarantee](#) covers the use of **ab92457** 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  
 SDS-PAGE  
 纯度 > 90 % SDS-PAGE.  
 Purified by multi-step chromatography. > 90% pure as determined by SDS-PAGE and Western Blot analysis.  
 形式 Liquid

制备和贮存

稳定性和存储 Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
 Preservative: None  
 Constituents: 1X Dulbecco's PBS

常规信息

功能 Involved in stress resistance and actin organization.

## 组织特异性

Detected in all tissues tested: skeletal muscle, heart, aorta, large intestine, small intestine, stomach, esophagus, bladder, adrenal gland, thyroid, pancreas, testis, adipose tissue, kidney, liver, spleen, cerebral cortex, blood serum and cerebrospinal fluid. Highest levels are found in the heart and in tissues composed of striated and smooth muscle.

## 疾病相关

Defects in HSPB1 are the cause of Charcot-Marie-Tooth disease type 2F (CMT2F) [MIM:606595]. CMT2F is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT2 group are characterized by signs of axonal regeneration in the absence of obvious myelin alterations, normal or slightly reduced nerve conduction velocities, and progressive distal muscle weakness and atrophy. Nerve conduction velocities are normal or slightly reduced. CMT2F onset is between 15 and 25 years with muscle weakness and atrophy usually beginning in feet and legs (peroneal distribution). Upper limb involvement occurs later. CMT2F inheritance is autosomal dominant.

Defects in HSPB1 are a cause of distal hereditary motor neuropathy type 2B (HMN2B) [MIM:608634]. Distal hereditary motor neuropathies constitute a heterogeneous group of neuromuscular disorders caused by selective impairment of motor neurons in the anterior horn of the spinal cord, without sensory deficit in the posterior horn. The overall clinical picture consists of a classical distal muscular atrophy syndrome in the legs without clinical sensory loss. The disease starts with weakness and wasting of distal muscles of the anterior tibial and peroneal compartments of the legs. Later on, weakness and atrophy may expand to the proximal muscles of the lower limbs and/or to the distal upper limbs.

## 序列相似性

Belongs to the small heat shock protein (HSP20) family.

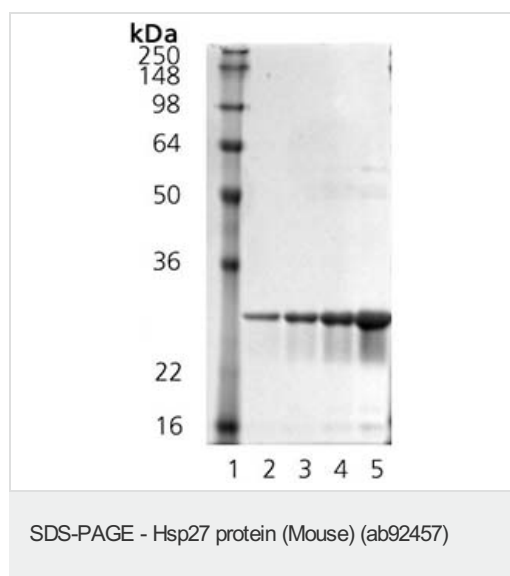
## 翻译后修饰

Phosphorylated in MCF-7 cells on exposure to protein kinase C activators and heat shock.

## 细胞定位

Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > spindle. Cytoplasmic in interphase cells. Colocalizes with mitotic spindles in mitotic cells. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.

## 图片



### SDS-PAGE Analysis:

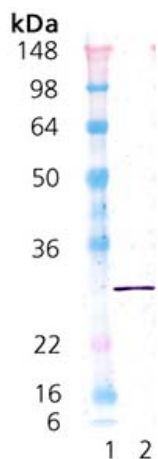
Lane 1: Molecular weight marker

Lane 2: 0.5 µg ab92457

Lane 3: 1.0 µg ab92457

Lane 4: 2.0 µg ab92457

Lane 5: 5.0 µg ab92457



**All lanes :** anti-Hsp25

Polyclonal Antibody

**Lane 1 :** Molecular weight markers

**Lane 2 :** ab92457 at 0.01  $\mu$ g

Western blot - Hsp27 protein (Mouse) (ab92457)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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