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Datasheet for ABIN7318564 HSPB8 Protein (His tag)

Overview

Quantity:	50 µg
Target:	HSPB8
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSPB8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HSPB8 Protein (His Tag)
Sequence:	Met 1-Thr196
Characteristics:	Recombinant Human Heat shock protein beta-8 is produced by our E.coli expression system and the target gene encoding Met1-Thr196 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HSPB8
Alternative Name:	HSPB8 (HSPB8 Products)
Background:	Background: Heat shock protein beta-8 (HSPB8) belongs to the small heat shock protein (HSP20) family. This protein can be induced by 17-beta-estradiol, and is predominantly expressed in skeletal muscle and heat, mainly located in the cytoplasm and nucleus. HSPB8

Target Details

usually exists in monomer, it can interact with HSPB1 and DNAJB6. HSPB8 displays temperature-dependent chaperone activity, appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease.

Synonym: Heat shock protein beta-8, HspB8, Alpha-crystallin C chain, E2-induced gene 1 protein, Protein kinase H11, Small stress protein-like protein HSP22, HSPB8, CRYAC, E2IG1, HSP22

Molecular Weight: 22.7 kDa

UniProt: [Q9UJY1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.