



[Go to Product page](#)

Datasheet for ABIN7318561 HSPB11 Protein (His tag)

Overview

Quantity:	50 µg
Target:	HSPB11
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSPB11 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HSPB11 Protein (His Tag)
Sequence:	Met 1-Ser144
Characteristics:	Recombinant Human Heat Shock Protein beta-11 is produced by our E.coli expression system and the target gene encoding Met1-Ser144 is expressed with a 6His tag at the N-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:	HSPB11
Alternative Name:	HSPB11 (HSPB11 Products)
Background:	Background: Heat Shock Protein β -11 (HSPB11) is a stress-responsive protein that is required to deal with proteotoxic stresses. HSPB11 is composed of an IFT complex B composed of IFT88, IFT57, TRAF3IP1, IFT52, IFT27, HSPB11 and IFT20 and is detected in placenta. HSPB11

Target Details

has been shown to form oligomeric complexes and prevent the aggregation of in vitro denatured aldolase and glyceraldehyde-3-phosphate dehydrogenase in accordance with the chaperone model of HSPB1 and HSPB5. HSPB11 overexpression protected against etoposide-induced cell death that correlated with a decreased release of mitochondrial Cytochrome C into the cytosol. Inhibition of HSP90 function completely abrogated the protective effect of HSPB11. This data suggests that at least in the case of HSPB11, interaction with other chaperone machines besides HSPA1A may contribute to functional specificity and cellular functioning. Synonym: Heat Shock Protein Beta-11, Hspb11, Placental Protein 25, PP25, HSPB11, C1orf41

Molecular Weight: 18.5 kDa

UniProt: [Q9Y547](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 2 mM DTT, 10 % Glycerol, pH 8.0.

Storage: -20 °C

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