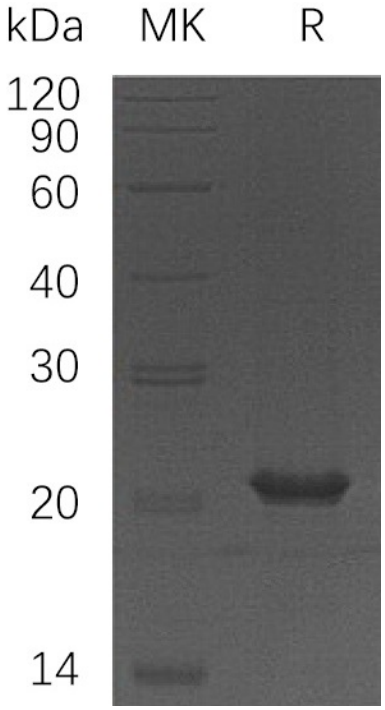
Product Name: Recombinant Human HSPB11 (N-6His)
Catalog #: PEH0810

Summary

Name	HSPB11/PP25
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q9Y547
Host	E.coli
Species	Human
Predicted Molecular Mass	18.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 2mM DTT, 10% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Human HSPB11 (N-6His)
Catalog #: PEH0810



Alternative Names

Heat Shock Protein Beta-11; Hspb11; Placental Protein 25; PP25; HSPB11; C1orf41

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 has beeb shown to form oligomeric complexes and prevent the aggregation of in vitro denaturated 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.

Note

For Research Use Only , Not for Diagnostic Use.