Recombinant Human HSPB2/MKBP Protein (His Tag)

Catalog Number: PKSH032523



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Heat shock protein beta-2;HspB2;DMPK-binding protein;MKBP;

Species Human
Expression Host E.coli

SequenceMet 1-Pro182AccessionQ16082Calculated Molecular Weight21.3 kDaObserved molecular weight22-25 kDa

Properties

Tag

Purity > 95 % as determined by reducing SDS-PAGE.

C-His

Endotoxin $< 1.0 \text{ EU per } \mu \text{g of the protein as determined by the LAL method.}$

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs. **Formulation** Lyophilized from a 0.2 µm filtered solution of 10mM Tris-HCl, 150mM NaCl,

1mM EDTA, pH 8.0.

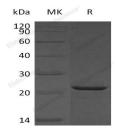
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Heat shock protein beta-2(HSPB2) is a protein that in humans is encoded by the HSPB2 gene. HSPB2 belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. It is expressed preferentially in the heart and skeletal muscle. HSPB2 has been shown to interact with TRAF6, HSPB8, Myotonic dystrophy protein kinase and CRYAB. HSPB2 regulates Myotonic Dystrophy Protein Kinase, which plays an important role in maintenance of muscle structure and function.

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