



Recombinant Protein Technical Manual
Recombinant Human HSPB2/MKBP Protein (His Tag)
RPES0357

Product Data:

Product SKU: RPES0357

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q16082

Protein Information:

Molecular Mass: 21.3 kDa

AP Molecular Mass: 22 kDa

Tag: C-6His

Bio-activity:

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

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM HEPES,0.1MKCl,pH7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Pro182

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.