

## Product datasheet for **CF813404**

### HSP27 (HSPB1) Mouse Monoclonal Antibody [Clone ID: OTI8C7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8C7
Applications:	WB
Recommended Dilution:	WB 1:500-1000
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HSPB1 (NP_001531) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22.8 kDa
Gene Name:	heat shock protein family B (small) member 1
Database Link:	<a href="#">NP_001531</a> <a href="#">Entrez Gene 3315 Human</a> <a href="#">P04792</a>



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**Background:**

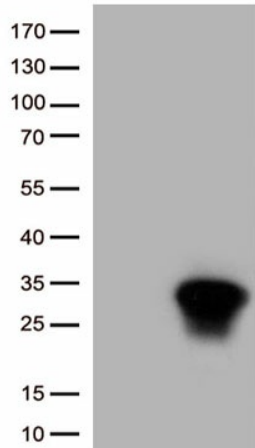
The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN). [provided by RefSeq, Oct 2008].

**Synonyms:**

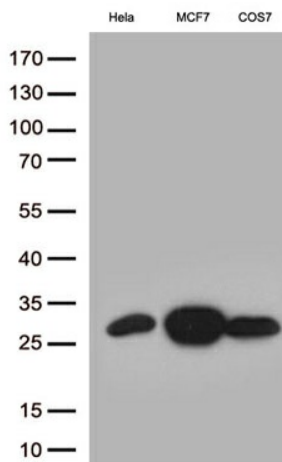
CMT2F; HEL-S-102; HMN2B; HS.76067; Hsp25; HSP27; HSP28; SRP27

**Protein Pathways:**

MAPK signaling pathway, VEGF signaling pathway

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSPB1 ([RC201800], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSPB1.(1:1000)



Western blot analysis of extracts (35ug) from 3 cell lines lysates by using anti-HSPB1 monoclonal antibody. (1:500)