

## Product datasheet for **TA346973S**

### HSP27 (HSPB1) Mouse Monoclonal Antibody [Clone ID: 7E5-1F9-D9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	7E5-1F9-D9
Applications:	IF, WB
Recommended Dilution:	WB: 1:1000, IF: 1:300
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for HSPB1 antibody: purified recombinant human Hsp27 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide, 50% glycerol, 0.1%BSA
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	27 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>
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).
Synonyms:	CMT2F; HEL-S-102; HMN2B; HS.76067; Hsp25; HSP27; HSP28; SRP27



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**Protein Pathways:** MAPK signaling pathway, VEGF signaling pathway