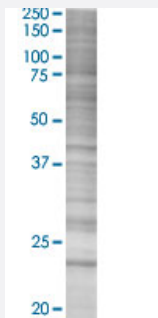


HSPB1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003315-T01

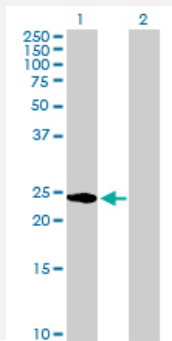
Size 100 uL

Applications



SDS-PAGE Gel

HSPB1 transfected lysate.



Western Blot

Lane 1: HSPB1 transfected lysate (22.80 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-HSPB1 full-length
Host	Human
Theoretical MW (kDa)	22.8
Interspecies Antigen Sequence	Mouse (83)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-HSPB1 antibody ([H00003315-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 HSPB1 transfected lysate.
 Western Blot
 Lane 1: HSPB1 transfected lysate (22.80 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — HSPB1

Entrez GeneID

[3315](#)

GeneBank Accession#

[NM_001540](#)

Protein Accession#

[NP_001531.1](#)

Gene Name

HSPB1

Gene Alias

CMT2F, DKFZp586P1322, HMN2B, HS.76067, HSP27, HSP28, Hsp25, SRP27

Gene Description

heat shock 27kDa protein 1

Omim ID

[602195](#) [606595](#) [608634](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

OTTHUMP00000024846|estrogen-regulated 24 kDa protein|heat shock 27kD protein 1|heat shock protein beta-1|stress-responsive protein 27

Pathway

- [MAPK signaling pathway](#)
- [VEGF signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Charcot-Marie-Tooth Disease](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Small Cell Lung Carcinoma](#)