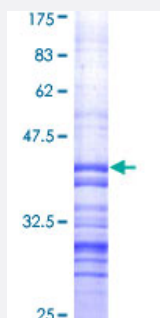


HSPB8 (Human) Recombinant Protein (Q01)

Catalog # H00026353-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HSPB8 partial ORF (AAH02673, 1 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MADGQMPFSCHYPSRLRRDPFRDSPLSSRLDDGFGMDPFPDDL TASWPDWALPRLSSAWP GTLRSGMVPRGPTATARFGVPAEGRTPPFPGE PWKVCNVHFSKPEELMVKTKDGYE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.83
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HSPB8

Entrez GeneID [26353](#)

GeneBank Accession# [BC002673](#)

Protein Accession# [AAH02673](#)

Gene Name HSPB8

Gene Alias CMT2L, DHMN2, E2IG1, H11, HMN2, HMN2A, HSP22

Gene Description heat shock 22kDa protein 8

Omim ID [158590](#) [608014](#) [608673](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene is induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease. [provided by RefSeq]

Other Designations E2-induced gene 1|heat shock 27kDa protein 8|heat shock protein beta-8|protein kinase H11|small stress protein-like protein HSP22

Disease

- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)

- [Lung Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)