# Heat Shock Protein Beta 8 (HSPb8) Recombinant Protein | HSPb8 recombinant protein

Recombinant Heat Shock Protein Beta 8 (HSPb8)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA134569** | **E.coli** | **Homo sapiens (Human)** | **Western Blot, SDS-Page** |

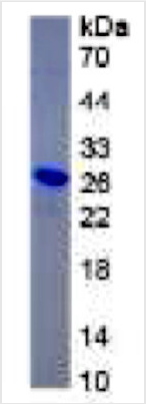
## PRODUCT SYNONYMS

Heat Shock Protein Beta 8 (HSPb8); Recombinant Heat Shock Protein Beta 8 (HSPb8); HSPb8 recombinant protein

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | E.coli |
| **Reactivity** | Homo sapiens (Human) |
| **Purity/Purification** | > 95% |
| **Form/Format** | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. |
| **Concentration** | Original Concentration: 200ug/mL (varies by lot) |
| **Sequence** | MADGQMPFSC HYPSRLRRDP FRDSPLSSRL LDDGFGMDPF PDDLTASWPD WALPRLSSAW PGTLRSGMVP RGPTATARFG VPAEGRTPPP FPGEPWKVCV NVHSFKPEEL MVKTKDGYVE VSGKHEEKQQ EGGIVSKNFT KKIQLPAEVD PVTVFASLSP EGLLIIEAPQ VPPYSTFGES SFNNELPQDS QEVTCT |
| **Applicable Applications for HSPb8 recombinant protein** | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control |
| **Source** | Prokaryotic expression |
| **Residues** | Met1~Thr196 |
| **Tags** | N-terminal His Tag |
| **Subcellular Location** | Secreted |
| **Traits** | Freeze-dried powder |
| **Predicted isoelectric point** | 5.6 |
| **Phenomenon explanation** | The possible reasons that the actual band size differs from the predicted are as follows:<br>1.Splice variants: Alternative splicing may create different sized proteins from the same gene.<br>2. Relative charge: The composition of amino acids may affects the charge of the protein.<br>3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.<br>4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.<br>5. Polymerization of the target protein: Dimerization, multimerization etc. |
| **Usage** | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |
| **Preparation and Storage** | **Storage:**<br>Avoid repeated freeze/thaw cycles.<br>Store at 2-8 degree C for one month.<br>Aliquot and store at -80 degree C for 12 months.<br><br>**Stability Test:**<br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

## IMAGES




SDS-PAGE

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 7657146 |
| **NCBI GeneID** | 26353 |
| **NCBI Accession #** | NP_055180.1 |
| **NCBI GenBank Nucleotide #** | NM_014365.2 |
| **UniProt Accession #** | Q9UJY1; Q6FIH3; Q9UKS3; B2R6A6 |
| **Molecular Weight** | Predicted Molecular Mass: 22.9kDa<br>Accurate Molecular Mass: 26kDa as determined by SDS-PAGE reducing conditions. |
| **NCBI Official Full Name** | heat shock protein beta-8 |
| **NCBI Official Synonym Full Names** | heat shock 22kDa protein 8 |
| **NCBI Official Symbol** | HSPB8 |
| **NCBI Official Synonym Symbols** | H11; HMN2; CMT2L; DHMN2; E2IG1; HMN2A; HSP22 |
| **NCBI Protein Information** | heat shock protein beta-8; protein kinase H11; alpha-crystallin C chain; E2-induced gene 1 protein; heat shock 27kDa protein 8; small stress protein-like protein HSP22 |
| **UniProt Protein Name** | Heat shock protein beta-8 |
| **UniProt Gene Name** | **HSPB8** |
| **UniProt Synonym Gene Names** | CRYAC; E2IG1; HSP22; HspB8 |
| **UniProt Entry Name** | HSPB8_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/hspb8-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134569