

## 25.3 kDa heat shock protein, chloroplastic (HSP25.3) Recombinant Protein | HSP25.3 recombinant protein

Recombinant Arabidopsis thaliana 25.3 kDa heat shock protein, chloroplastic (HSP25.3)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA115003</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

### PRODUCT SYNONYMS

25.3 kDa heat shock protein; chloroplastic (HSP25.3); Recombinant Arabidopsis thaliana 25.3 kDa heat shock protein; HSP25.3 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                       |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                |
| Sequence Positions      | 44-227. Full Length of Mature Protein                                                                                                                                                                           |
| Sequence                | AQDQRENSID VVQGGQKGN QGSSVEKRPQ QRLTMDVSPF GLLDPLSPMR TMRQMLDTMD RMFEDTMPVS<br>GRNRGGSGVS EIRAPWDIKE EEHEIKMRFD MPGLSKEDVK ISVEDNVLVI KGEQKKEDSD DSWSGRSVSS<br>YGTRLQLPDN CEKDKIKAEL KNGVLFITIP KTKVERKVID VQIQ |
| Species                 | Arabidopsis thaliana (Mouse-ear cress)                                                                                                                                                                          |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.             |

### NCBI AND UNIPROT INFORMATION

|                               |                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                     | <a href="#">15234240</a>                                                                                                     |
| NCBI GeneID                   | <a href="#">828881</a>                                                                                                       |
| NCBI Accession #              | <a href="#">NP_194497.1</a>                                                                                                  |
| NCBI GenBank Nucleotide #     | <a href="#">NM_118906.3</a>                                                                                                  |
| UniProt Accession #           | <a href="#">P31170</a> ; <a href="#">Q1PE43</a> ; <a href="#">Q6ZWL5</a> ; <a href="#">A0MFA3</a> ; <a href="#">AAB19709</a> |
| Molecular Weight              | 25,344 Da                                                                                                                    |
| NCBI Official Full Name       | heat shock protein 21                                                                                                        |
| NCBI Official Symbol          | HSP21                                                                                                                        |
| NCBI Official Synonym Symbols | heat shock protein 21; T29A15.160; T29A15_160                                                                                |
| NCBI Protein Information      | heat shock protein 21                                                                                                        |
| UniProt Protein Name          | Heat shock protein 21, chloroplastic                                                                                         |
| UniProt Gene Name             | <b>HSP21</b>                                                                                                                 |
| UniProt Synonym Gene Names    | AtHsp25.3                                                                                                                    |

**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.

