



# Recombinant Arabidopsis thaliana Transcription factor PIF7 (BHLH72)

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-MP704112DOA  |
| <b>Abbreviation</b>      | BHLH72   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q570R7   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Arabidopsis thaliana (Mouse-ear cress)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSNYGVKELT WENGQLTVHG LGDEVEPTTS NNPIWTQSLN GCETLESVVH<br>QAALQQPSKF QLQSPNGPNH NYESKDGSCS RKRGYEQEMD<br>RWFVQEEESH RVGHSVTASA SGTNMSWASF ESGRSLKTAR<br>TGDRDYFRSG SETQDTEGDE QETRGEAGRS NGRRGRAAAI<br>HNESERRRRD RINQRMRTLQ KLLPTASKAD KVSILDDVIE HLKQLQAQVQ<br>FMSLRANLPQ QMMIPQLPPP QSVLSIQHQQ QQQQQQQQQQ<br>QQQQQFQMSL LATMARMGMG GGGNGYGGLV PPPPPPPMMV<br>PPMGNRDCTN GSSATLSDPY SAFFAQTMMN DLYNKMAAAI YRQQSDQTTK<br>VNIGMPSSSS NHEKRD |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | BHLH72   |
| <b>Protein Names</b>     | Recommended name: Transcription factor PIF7 Alternative name(s): Basic helix-loop-helix protein 72 Short name= AtbHLH72 Short name= bHLH 72 Phytochrome-interacting factor 7 Transcription factor EN 109 bHLH transcription f  |
| <b>Expression Region</b> | 1-366  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.   |



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.