



# Recombinant African cassava mosaic virus Replication-associated protein (AC1)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-EP324434ADX-B   |
| <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>       | P14982  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | African cassava mosaic virus (isolate West Kenyan 844) (ACMV) (Cassava latent virus (isolate West Kenyan 844))  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MRTPRFRIQA KNVFLTPKCSIPKEHLLSF IQTSLQSNP KFIKICRELH<br>QNGEPHLHAL IQFEGKITIT NNRLFDCVHP SCSTSFHPNI QGAKSSSDVK<br>SYLDKDGDTV EWGQFQIDGR SARGGQQSAN DAYAKALNSG SKSEALNVIR<br>ELVPKDFVLQ FHNLNSNLDLRFQEPYV SPFPCSSFDQ VPVEIEEWVA<br>DNVRDSAARP WRPNSIVIEG DSRTGKTIWA RSLGPHNYLC GHLDLSPKVF<br>NNAAWYNVID DVDPHYLKHF KEFMGSQRDW QSNTKYGKPV QIKGGIPTIF<br>LCNPGPTSSY KEFLAEEKQE ALKAWALKNA IFITLTEPLY SGSNQSHSQT<br>SQEASHPA |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | AC1   |
| <b>Protein Names</b>     | Recommended name: Replication-associated protein Short name= Rep EC= 2.7.7.- EC= 3.1.21.-Alternative name(s): 40.4 kDa protein Protein AC1 Protein AL1  |
| <b>Expression Region</b> | 1-358   |
| <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.<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.  |