



Recombinant African malaria mosquito ACE Protein Product Manual

1. Product Basic Information

Product No.: REP06018

Protein Name: Kininase II (ACE)

Aliases: DCP; ACE1; DCP1; CD143; kininase II; peptidase CD143 antigen; carboxycathepsin; angiotensin-converting enzyme

UniProt ID: P12821

UniProt Link: <https://www.uniprot.org/uniprotkb/P12821/entry>

Species Source: Anopheles gambiae (African malaria mosquito)

Expression System: Baculovirus

Protein Length: Partial (162-713aa)

Molecular Weight: 64.2

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (162-713aa)

DNDPLVVNTDKGRIRGITVDAPSGKKVDVWLGIPYAQPPVGPLRFRHPRPAEKWTG
VLNTTTPPNNSCVQIVDTVFGDFPGATMWNPNTPLSEDCLYINVVAPRPRPKNAAVM
LWIFGGGFYSGTATLDVYDHRALASEENVIVVSLQYRVASLGFLFLGTPEAPGNAGL
FDQNLALRWVRDNIHRFGGDPSRVTLFGESAGAVSVSLHLLSALSRLDFQRAILQS
GSPTAPWALVSREEATLRALRLAEAVGCPHEPSKLSDAVECLRGKDPHVLVNNEW
GTLGICEFPFVPVVDGAFLDETPQRSASGRFKKTEILTGSNTEEGYYFIIYYLTELLR
KEEGVTVTREEFLQAVRELNPYVNGAARQAIVFEYTDWTEPDNPNSNRDALDKMV
GDYHFTCNVNEFAQRYAEEGNNVYMYLYTHRSKGNPWPRWTGVMHGDEINYVFG
EPLNPTLGYTEDEKDFSRKIMRYWSNFAKTGNPNPNTASSEFPEWPKHTAHGRHY
LELGLNTSFVGRGPRLRQCAFWKKYLPQLVAATSNLPGPAPPSEPCESS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant African malaria mosquito ACE partial protein (162-713aa) expressed in Baculovirus. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ACE, also known as DCP or ACE1 or DCP1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.