# Cecropin-A (CECA) Aedes Aegypti Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cecropin-A (CECA), Recombinant Protein |
| **Full Product Name** | Recombinant Aedes aegypti Cecropin-A (CECA) |
| **Product Gene Name** | CECA recombinant protein |
| **Sequence** | GGLKKLGKKL EGAGKRVFNA AEKALPVVAG AKAL |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **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. |
| **Molecular Weight** | 6,083 Da |
| **Sequence Positions** | 24-57, full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for P82592 |
| **Species** | Aedes aegypti (Yellowfever mosquito) (Culex aegypti) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for CECA recombinant protein** | MBS1184256 is a recombinant protein targeting CECA. Also known as Recombinant Aedes aegypti Cecropin-A (CECA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of CECA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CECA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 157106129 |
| **NCBI GeneID** | 5564825 |
| **NCBI Accession #** | XP_001649179.1 |
| **UniProt Primary Accession #** | P82592 |
| **UniProt Secondary Accession #** | Q17NR3; Q95PI9 |
| **GenBank Nucleotide #** | XM_001649129.2 |
| **UniProt Protein Name** | Cecropin-A |
| **Protein Family** | Cecropin |

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| **UniProt Gene Name** | CECA |
| **UniProt Comments for CECA** | Antibacterial activity against Gram-negative bacteria E.coli D22 and D31, E.carotovora, K.pneumoniae, P.aeruginosa, S.typhimurium, E.cloacae B12 and X.campestris and Gram-positive bacteria A.viridans, M.luteus, B.megaterium and S.pyogenes. Possesses antifungal activity against F.oxysporum, F.culmorum and N.crassa, C.albicans, C.neoformans and S.cerevisiae. No activity against Gram-negative S.marcescens Db11, Gram-positive B.cereus, B.subtilis, B.thuringiensis, S.aureus and L.monocytogenes, the fungi A.fumigatus and B.bassiana and C.glabrata. |
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