

# Probable carboxylesterase 12 (CXE12), Recombinant Protein

**Cat** RP05180

**Size** 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

**Species** mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Probable carboxylesterase 12 (CXE12)

## Product Gene Name

CXE12 recombinant protein

## Product Synonym Gene Name

CXE12

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

MDSEIAVDCS PLLKIYKSGR IERLMGEATV PPSSEPQNGV VSVDVVYSAD NNLSVRIYLP EKAAAETDSK LPLLVYFHGG GFIITAFSP TYHTFLTTSV SASNCVAVSV DYRRAPEHPI SVPFDDSWTA LKWVFTHITG SGQEDWLNKH ADFSRVFLSG DSAGANIVHH MAMRAAKEKL SPGLNDTGIS GIILLHPYFW SKTPIDEKDT KDETLMKIE AFWMMASPNS KDGTDPLLN VVQSESVDLS GLGCGKVLVM VAEKDALVRQ GWGYAAKLEK SGWKGEVEVV ESEGEDHVFH LLKPECDNAI EVMHKFSGFI KGGN

## Sequence Positions

1-324, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

35,567 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Probable carboxylesterase

## NCBI Accession #

NP\_190438.1

## NCBI GI #

15228425

## NCBI GenBank Nucleotide #

NM\_114728.5

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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**Cat** RP05180

**Size** 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

**NCBI GeneID** 824030  
mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

## NCBI Official Full Name

alpha/beta-Hydrolases superfamily protein

## NCBI Official Symbol

CXE12

## NCBI Official Synonym Symbols

ARABIDOPSIS THALIANA CARBOXYESTERASE 12; ATCXE12

## NCBI Protein Information

alpha/beta-Hydrolases superfamily protein

## NCBI Summary

Encodes a protein with carboxylesterase whose activity was tested using both pNA and 2,4-D-methyl.

## UniProt Gene Name

CXE12

## UniProt Protein Name

Probable carboxylesterase 12

## UniProt Synonym Protein Names

AtCXE12 (EC:3.1.1.1)

## UniProt Primary Accession #

Q9SMN0

## UniProt Secondary Accession #

Q0WVA6; Q8VZG3

## UniProt Related Accession #

Q9SMN0

## UniProt Comments

Carboxylesterase acting on esters with varying acyl chain length.

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