

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

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species 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 VSKDVVYSAD NNLSVRIYLP EKAAAETDSK
LPLLVEYFHGG GFIIETAFSP TYHTFLTTSV SASNCVAVSV DYRRAPPEHPI SVPFDDSWTA LKWVFTHITG
SGQEDWLNKH ADFSRVFLSG DSAGANIVHH MAMRAAKEKL SPGLNDTGIS GIILLHPYFW SKTPIDEKDT
KDETLRMKIE AFWMMASPNS KDGTDPLL N VVQSEVDLS 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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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GeneID

824030

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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