

Choline monooxygenase, chloroplastic (CMO), Recombinant Protein

Cat RP19690

Size 0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.05 mg
(Baculovirus)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.1 mg

(Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg
Species (E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg
Atriplex hortensis (Mountain spinach)
(Yeast)/ 1 mg (B

Full Product Name

Recombinant Atriplex hortensis Choline monooxygenase, chloroplastic (CMO)

Product Synonym Names

Choline monooxygenase, chloroplastic; EC=1.14.15.7

Product Gene Name

CMO recombinant protein

Purity

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

Sequence

AVAAPAFPSV TT TTTTTPSSIQ SLVKDFDPLV PAEDALTPPS SWYTEPAFYA HELDRIFYKG WQVAGYSDQV
KEANQYFTGT LGNVEYLVCR DGEKGVHAFH NVCTHRASIL ACGSGKKSCF VCPYHGWVYG MNGSLTKASK
ATPEQSLNPD ELGLVPLKVA VWGPFILISL DRSSREVGDV GSEWLGSCAE DVKAHAFDPN LQFINRSEFP
IESNWKIFSD NYLDSSYHVP YAHKYYATEL DFDTYQTDV GNVTIQRVAG TSNNGFNRLG TQAFYAFAYP
NFAVERYGPW MTTMHIVPLG PRKCKLVVDY YIEKSKLDDK DYIEKGIAN DNVQKEDVVL CESVQKGLET
PAYRSGRYVM PIEKGIHHFH CWLHQVLK

Sequence Positions

59-438aa; 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

48,771 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

Tungsten-containing aldehyde ferredoxin oxidoreductase cofactor-modifying protein

NCBI Accession

Q9LKN0.1

NCBI GI

20138024

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size *0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.1 mg*

NCBI Official Full Name
(Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg (E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (B

Choline monoxygenase, chloroplastic

UniProt Gene Name

CMO

UniProt Protein Name

Choline monoxygenase, chloroplastic

UniProt Entry Name

CHMO_ATRHO

UniProt Primary Accession

Q9LKN0

UniProt Comments

Catalyzes the first step of the osmoprotectant glycine betaine synthesis.

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