

DEMETER-like protein 3 (DML3), Recombinant Protein

Cat *RP01788*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* DEMETER-like protein 3 (DML3) , partial

Product Gene Name

DML3 recombinant protein

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

120,297 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

DEMETER-like protein

NCBI Accession

NP_195132.3

NCBI GI

79496905

NCBI GenBank Nucleotide

NM_119567.4

NCBI GeneID

829552

NCBI Official Full Name

demeter-like protein 3

NCBI Official Symbol

DML3

NCBI Official Synonym Symbols

demeter-like protein 3; F28A23.180; F28A23_180

NCBI Protein Information

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

DEMETER-like protein 3 (DML3), Recombinant Protein

Cat *RP01788*

demeter-like protein 3

NCBI Summary

Encodes a protein with 5-meC and thymine-DNA glycosylase activity with a preference for CpG and CpHpG sequences. Involved in maintaining methylation marks.

UniProt Gene Name

DML3

UniProt Protein Name

DEMETER-like protein 3

UniProt Primary Accession

O49498

UniProt Secondary Accession

Q5XV59

UniProt Related Accession

O49498

UniProt Comments

Potential transcriptional activator that may act by nicking the target promoter. Catalyzes the release of 5-methylcytosine (5-meC) from DNA by a glycosylase/lyase mechanism .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY