

Cytokinin dehydrogenase 2 (CKX2), Recombinant Protein

Cat *RP11337*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Cytokinin dehydrogenase 2 (CKX2), partial

Product Gene Name

CKX2 recombinant protein

Product Synonym Gene Name

CKX2

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

60,021 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

Cytokinin dehydrogenase

NCBI Accession

XP_015629416.1

NCBI GI

1002226932

NCBI GenBank Nucleotide

XM_015773930.1

NCBI GeneID

4327333

NCBI Official Full Name

cytokinin dehydrogenase 2

NCBI Official Symbol

LOC4327333

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Cytokinin dehydrogenase 2 (CKX2), Recombinant Protein

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CKX2; Gn1a; OsCKX2; OsJ_00744; B1046G12.8

NCBI Protein Information

cytokinin dehydrogenase 2

UniProt Gene Name

CKX2

UniProt Synonym Gene Names

OsCKX2; Gn1a

UniProt Protein Name

Cytokinin dehydrogenase 2

UniProt Synonym Protein Names

Cytokinin oxidase 2; OsCKX2; QTL grain number 1a; Gn1a

UniProt Primary Accession

Q4ADV8

UniProt Secondary Accession

Q94IV9; A0A0P0UJ1; B9ETN0

UniProt Related Accession

Q4ADV8

UniProt Comments

Catalyzes the oxidation of cytokinins, a family of N6-substituted adenine derivatives that are plant hormones, where the substituent is an isopentenyl group. Modulates the number of reproductive organs by regulating the cytokinin accumulation in inflorescence meristems. Major QTL involved in grain yield.

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