

Ferredoxin-5, chloroplastic (FDX5), Recombinant Protein

Cat RP10411

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
Species (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Zea mays (Maize)
Cell)

Full Product Name

Recombinant Zea mays Ferredoxin-5, chloroplastic (FDX5)

Product Gene Name

FDX5 recombinant protein

Purity

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

Sequence

ATYNVKLITP EGEVELQVPD DVYILDYAAE EGIDLPYSCR AGSCSSCAGK VVSGSLDQSD QSFLDDSQVA
DGWVLTVCVAY PTSDVVIETH KEDDLIS

Sequence Positions

39-135, 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

14,399 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

2Fe-2S ferredoxin

NCBI Accession

P27789.1

NCBI GI

119961

NCBI GeneID

103628935

NCBI Official Full Name

Ferredoxin-5, chloroplastic

NCBI Official Symbol

fdx5

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)
GRMZM2G122327

NCBI Official Synonym Symbols

ferredoxin-5, chloroplastic

UniProt Gene Name

FDX5

UniProt Synonym Gene Names

PFD5; Fd V

UniProt Protein Name

Ferredoxin-5, chloroplastic

UniProt Synonym Protein Names

Ferredoxin V; Fd V

UniProt Primary Accession

P27789

UniProt Related Accession

P27789

UniProt Comments

Ferredoxins are iron-sulfur proteins that transfer electrons in a wide variety of metabolic reactions.

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