GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-111326-1 EN DE

LAST UPDATED: 18 NOV 2016

General information

Name of genetic element

Ferredoxin:NADP+ oxidoreductase transit peptide	EN

Alternate genetic element name(s) (synonym(s))

Reduced nicotinamide adenine dinucleotide phosphate-adrenodoxin reductase	EN
Ferredoxin oxidoreductase	EN
Ferredoxin-TPN reductase	EN
Ferredoxin-nicotinamide-adenine dinucleotide phosphate (oxidized) reductase	EN
Ferredoxin-nicotinamide adenine dinucleotide phosphate reductase	EN
Ferredoxin-NADP+ reductase	EN
Adrenodoxin reductase	EN
Ferredoxin oxidoreductase	EN
TPNH-ferredoxin reductase	EN
Ferredoxin—NADP(+) reductase	EN

Abbreviation

TP-fnr-SPIOL	EN

Category

Transit signal

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

BCH-ORGA-SCBD-103094-4 ORGANISM | SPINACIA OLERACEA (SPINACH, SPIOL) |
Crops

Characteristics of the protein coding sequence

Additional Information

The ferredoxin:NADP+ oxidoreductase catalyses the oxidation of ferredoxin and has been shown to be part of the chloroplastic cytochrome b6f complex. The ferredoxin:NADP+ oxidoreductase precursor contains a transit sequence which enables its transport into the chloroplasts.	EN

Other relevant website addresses and/or attached documents

? Ferredoxin:NADP+ Oxidoreductase is a Subunit of the Chloroplast Cytochrome b6f Complex *(English)*

? Ferredoxin—NADP(+) reductase - Wikipedia *(English)*

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Further Information

Questions about the Cartagena Protocol on Biosafety or the operation of the Biosafety Clearing-House may be directed to the Secretariat of the Convention on Biological Diversity.

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