

Probable NAD (P)H-dependent oxidoreductase 1 (Os10g0113000, LOC_Os10g02380), Recombinant Protein

Cat *RP14164*

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

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species *Oryza sativa* subsp. japonica (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. japonica Probable NAD (P)H-dependent oxidoreductase 1 (Os10g0113000, LOC_Os10g02380)

Product Gene Name

Os10g0113000 recombinant protein

Product Synonym Gene Name

Os10g0113000; LOC_Os10g02380

Purity

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

Sequence

MATIPVVPAS ELIQTMPRVG MGTAAPFPTS SEDTTAAMLRL AIELGYRHFD TARIYATEGC VGEAVAEAVR
RGLIASRADV FVTSKIWCSD LHAGRVVPAA RETLRNLGMD YVDLLLVHWP VSLTPGNYDF PFPKEVILPS
FDMEGVWRGM EECHRLGLAR AIGVSNFSAK KLEQLLSLAA VRPAVNQVEV NPMWQQRTLRL EVCRREGVQL
CGYSPLGAKG TPWGSAAVMD SGVLQEIAGA KGKTLAQICL RWLYEQGDVL LVKTYNEKRM KENLDIFNWE
LTDEERERIS QLPQLRGLPG LEFISDHGPY KSVEDLWDGD V

Sequence Positions

1-321, 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

35,713 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

Probable NAD(P)H-dependent oxidoreductase

NCBI Accession

XP_015613878.1

NCBI GI

1002300893

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI GenBank Nucleotide #
XM_015758392.1

NCBI GenelD

4347977

NCBI Official Full Name

probable NAD(P)H-dependent oxidoreductase 1

NCBI Official Symbol

LOC4347977

NCBI Official Synonym Symbols

OJ1014H12.13

NCBI Protein Information

probable NAD(P)H-dependent oxidoreductase 1

UniProt Gene Name

Os10g0113000

UniProt Protein Name

Probable NAD(P)H-dependent oxidoreductase 1

UniProt Primary Accession

Q7G764

UniProt Secondary Accession

Q0IZA8; Q94LH9

UniProt Related Accession

Q7G764

UniProt Comments

May play a role in auxin-induced cell growth by generating hydroxyl radicals, which tends to increase cell wall loosening.

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