

Probable inositol oxygenase (Os06g0561000, LOC_Os06g36560), Recombinant Protein

Cat *RP14145*

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 inositol oxygenase (Os06g0561000, LOC_Os06g36560)

Product Gene Name

Os06g0561000 recombinant protein

Product Synonym Gene Name

Os06g0561000; LOC_Os06g36560

Purity

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

Sequence

MTITIEQPHL DAIADRVKVG GGGGDNAAEL VLDGGFVVPD SNAFGNAFRN YEAESERKET VEEFYRVNHI
NQTYDFVRRM REEYGRVDKT EMGIWECIEL LNEFIDSDP DLDMPQIEHL LQTAEAIRKD FPDEDWLHLT
GLIHDLGKVL LHPSFGELPQ WSVVGDTFPV GCAFDECNVH FKYFKENPDY LNPKLNTKFG AYSEGCGLDN
VLMSWGHDDY MYLVAKENKT TLPSAGLFII RYHSFYPLHK HGAYMHLMD EDKENLKWLR VFNKYDLYSK
SNERIDVEKV KPYYMSLIEK YFPAKLRW

Sequence Positions

1-308, 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

35,805 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 inositol oxygenase

NCBI Accession

XP_015643978.1

NCBI GI

1002279329

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(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)
XM_015788492.1
NCBI GeneID
4341305

NCBI Official Full Name

probable inositol oxygenase

NCBI Official Symbol

LOC4341305

NCBI Official Synonym Symbols

P0456F09.5

NCBI Protein Information

probable inositol oxygenase

UniProt Gene Name

Os06g0561000

UniProt Synonym Gene Names

MI oxygenase

UniProt Protein Name

Probable inositol oxygenase

UniProt Synonym Protein Names

Myo-inositol oxygenase; MI oxygenase

UniProt Primary Accession

Q5Z8T3

UniProt Related Accession

Q5Z8T3

UniProt Comments

Involved in the biosynthesis of UDP-glucuronic acid (UDP-GlcA), providing nucleotide sugars for cell-wall polymers. May be also involved in plant ascorbate biosynthesis .

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