

# Putative 12-oxophytodienoate reductase 11 (OPR11), Recombinant Protein

Cat      *RP12332*

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* Putative 12-oxophytodienoate reductase 11 (OPR11)

## Product Gene Name

OPR11 recombinant protein

## Purity

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

## Sequence

MSSTAPLLTP YKMGRFDLSH RVVLAPLTRQ RSYGNVPQPH AILYYQQRRT KGGLLIAEAT GISDTAQGYK  
DTPGIWTKEQ VEAWKPIVDG VHAKGGIFFC QIWHVGRVSN NTFQPNGQAP ISSTNKSLKP AVRANGIDVA  
TFSTPRRLET DEIPFVVNDY RVAARNAIEA GFDGVEIHGA HGYLIDQFLK DQVNDRSDKY GGSLENRCRF  
ALEVVQAVTD EIGADKVGIR LSPFASYSEA ADSNPEALGL YMANALNKFG ILYCHMVEPR MVKLGEKFET  
PHSLRPIRDA FKGTFIAAGG YNKEDGNKAV STGYTDLVAY GRLFLSNPDL PERFEIDAPL NKYNRETFYI  
SDPVIGYTDY PFLPSDV

## Sequence Positions

1-367, 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

40,643 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

Putative 12-oxophytodienoate reductase

## NCBI Accession #

B9FSC8.1

## NCBI GI #

338818374

## NCBI Official Full Name

Putative 12-oxophytodienoate reductase 11

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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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*)

## UniProt Gene Name

OPR11

## UniProt Synonym Gene Names

OPR3; OsOPR11

## UniProt Protein Name

Putative 12-oxophytodienoate reductase 11

## UniProt Synonym Protein Names

OPDA-reductase 11; OsOPR11

## UniProt Primary Accession #

B9FSC8

## UniProt Comments

Putative oxophytodienoate reductase that may be involved in the biosynthesis or metabolism of oxylipin signaling molecules.

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