

Putative 12-oxophytodienoate reductase 8 (OPR8), Recombinant Protein

Cat RP11331

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 8 (OPR8)

Product Gene Name

OPR8 recombinant protein

Product Synonym Gene Name

OPR8

Purity

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

Sequence

MIRKKASPHC LHDVSGSCPH LSILLHSSRR PESAPVPCLL PMEAKIPLLT PHTMGRFHLLA HRVVHAPLTR
SRCYNNLPQE HVQLYYSQRA TNGGLLIAEA TGVSETAQGY PNTPGIWTKE QVEAWRTVVD AVHQKGGVFF
CQIWHVGRAS TNDYQPNGQT PIPCTDKKIT PTVLKDGTVE EFSAPRRLRE DEIPQIVDDF RIAARNCEIA
GFDGVEIHCA FGYLIEQFMK DGVNDRTDKY GGSIANRCRF ALEVIQAAID EIGSDRVGVR LSPYSNCLDC
WSDPDALGL YMIQAMSKLG VLYCSMVEPE VVKVDGKVQI PYKLWHFRKV FAGTFIVAGG YNREEGNRAV
SQGYTDLVAY GKWFLANPDL PRRFELNAPL NKYDRSTFYT SDPVIGYTDY PFLSPL

Sequence Positions

1-406, 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

45,515 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

XP_015627742.1

NCBI GI

1002247145

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_015772256.1

NCBI GeneID

4329684

NCBI Official Full Name

putative 12-oxophytodienoate reductase 8 isoform X9

NCBI Official Symbol

LOC4329684

NCBI Official Synonym Symbols

OPR7; OPR8; OsOPR8

NCBI Protein Information

putative 12-oxophytodienoate reductase 8

UniProt Gene Name

OPR8

UniProt Synonym Gene Names

OPR7; OsOPR8

UniProt Protein Name

Putative 12-oxophytodienoate reductase 8

UniProt Synonym Protein Names

OPDA-reductase 8; OsOPR8

UniProt Primary Accession

Q0E0C6

UniProt Secondary Accession

Q6YU32; A0A0P0VKL6

UniProt Related Accession

Q0E0C6

UniProt Comments

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

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