

# Linoleate 9S-lipoxygenase 2 (LOX1.1), Recombinant Protein

Cat *RP13516*

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## Species

*Oryza sativa* subsp. *japonica* (Rice)

## Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Linoleate 9S-lipoxygenase 2 (LOX1.1), partial

## Product Gene Name

LOX1.1 recombinant protein

## Purity

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

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

97,184 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

Linoleate 9S-lipoxygenase

## NCBI Accession #

XP\_015629809.1

## NCBI GI #

1002251169

## NCBI GenBank Nucleotide #

XM\_015774323.1

## NCBI GeneID

4334049

## NCBI Official Full Name

linoleate 9S-lipoxygenase 2

## NCBI Official Symbol

LOC4334049

## NCBI Official Synonym Symbols

LOX1.1

## NCBI Protein Information

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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# Linoleate 9S-lipoxygenase 2 (LOX1.1), Recombinant Protein

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linoleate 9S-lipoxygenase 2

## UniProt Gene Name

LOX1.1

## UniProt Protein Name

Linoleate 9S-lipoxygenase 2

## UniProt Synonym Protein Names

Lipoxygenase 2; Lipoxygenase L-2

## UniProt Primary Accession #

P29250

## UniProt Secondary Accession #

Q10D65; Q7Y1F4

## UniProt Related Accession #

P29250

## UniProt Comments

Plant lipoxygenase may be involved in a number of diverse aspects of plant physiology including growth and development, pest resistance, and senescence or responses to wounding. Catalyzes the hydroperoxidation of lipids containing a cis,cis-1,4-pentadiene structure.

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