

Late blight resistance protein R1-A (R1A), partial, Recombinant Protein

Cat RP15388

Species

Solanum demissum (Wild potato)

Full Product Name

Recombinant Solanum demissum Late blight resistance protein R1-A (R1A), partial

Product Synonym Names

Late blight resistance protein R1-A; Protein R1

Product Gene Name

R1A recombinant protein

Product Synonym Gene Name

R1A; PGEC472P22.10

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

149,363 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

Late blight resistance protein

NCBI Accession

Q8W1E0.1

NCBI GI

75248609

NCBI Official Full Name

Late blight resistance protein R1-A

UniProt Gene Name

R1A

UniProt Synonym Gene Names

Protein R1

UniProt Protein Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Late blight resistance protein R1-A (R1A), partial, Recombinant Protein

Cat RP15388

Late blight resistance protein R1-A

UniProt Entry Name

R1A_SOLDE

UniProt Primary Accession

Q8W1E0

UniProt Secondary Accession

Q60CZ9

UniProt Comments

Confers resistance to late blight (*Phytophthora infestans*) races carrying the avirulence gene Avr1. Resistance proteins guard the plant against pathogens that contain an appropriate avirulence protein via an indirect interaction with this avirulence protein. That triggers a defense system including the hypersensitive response, which restricts the pathogen growth.

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