

Putative late blight resistance protein homolog R1C-3 (R1C-3), partial, Recombinant Protein

Cat *RP15836*

Species

Solanum demissum (Wild potato)

Full Product Name

Recombinant *Solanum demissum* Putative late blight resistance protein homolog R1C-3 (R1C-3), partial

Product Synonym Names

Putative late blight resistance protein homolog R1C-3

Product Gene Name

R1C-3 recombinant protein

Product Synonym Gene Name

R1C-3; PGEC568H16.16

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

149,778 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 late blight resistance protein

NCBI Accession

Q6L3N7.1

NCBI GI

75261520

NCBI Official Full Name

Putative late blight resistance protein homolog R1C-3

UniProt Gene Name

R1C-3

UniProt Protein Name

Putative late blight resistance protein homolog R1C-3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Putative late blight resistance protein homolog R1C-3 (R1C-3), partial, Recombinant Protein

Cat *RP15836*

UniProt Entry Name

R1C3_SOLDE

UniProt Primary Accession

Q6L3N7

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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