

Probable LRR receptor-like serine/threonine-protein kinase RLK (RLK), Recombinant Protein

Cat RP00281

Size 0.5 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (Yeast)/ 0.05 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Probable LRR receptor-like serine/threonine-protein kinase RLK (RLK), partial

Product Gene Name

RLK recombinant protein

Purity

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

Sequence

LSDSEAILK FKESLVVGQE NALASWNAKS PPCTWSGVLC NGGSVWRLQM ENLELSGSID IEALSGLTSL
RTLSFMNNKF EGPFPDFKKL AALKSLYLSN NQFGGDIPGD AFEGMGWLKK VHQAQNKFTG QIPSSVAKLP
KLELRDLGN QFTGEIPEFE HQLHLLNLSN NALTGPIES LSMTDPKVF EGNKGLYKPL ETECDSPYIE
HPPQSEARPK SSSRGP

Sequence Positions

32-256

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

73,483 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.

NCBI Accession

NP_198389.2

NCBI GI

334188021

NCBI GenBank Nucleotide

NM_122930.3

NCBI GeneID

833500

NCBI Official Full Name

Leucine-rich repeat protein kinase family protein

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Symbol

PRK1

NCBI Official Synonym Symbols

pollen receptor like kinase 1; T26D22.9; T26D22_9

NCBI Protein Information

Leucine-rich repeat protein kinase family protein

NCBI Summary

Encodes a member of the receptor-like kinase family of genes. In pollen tubes, it accumulates in the plasma membrane of the apical growing tip through the process of exocytosis.

UniProt Gene Name

PRK1

UniProt Synonym Gene Names

AtPRK1

UniProt Protein Name

Pollen receptor-like kinase 1

UniProt Synonym Protein Names

LRR receptor-like serine/threonine-protein kinase RLK

UniProt Primary Accession

C0LGU0

UniProt Secondary Accession

O65240

UniProt Related Accession

C0LGU0

UniProt Comments

Receptor-like kinase involved in the control of pollen germination and pollen tube polar growth (PubMed:23024212).

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