

# Protein BRICK1 (BRK1), Recombinant Protein

Cat RP10520

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg  
(Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

Species (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg  
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-  
Zea mays (Maize)  
Cell)

## Full Product Name

Recombinant Zea mays Protein BRICK1 (BRK1)

## Product Gene Name

BRK1 recombinant protein

## Product Synonym Gene Name

BRK1

## Purity

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

## Sequence

MGRGGGMGNP VNVGIAVQAD WENREFISNI SLNVRRLDFD LLRFEATTKS KLASLNEKLD ILERKLEVLE  
VQVGSATTNP SVFN

## Sequence Positions

1-84, 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

9,324 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

Protein

## NCBI Accession #

NP\_001105190.1

## NCBI GI #

162464298

## NCBI GenBank Nucleotide #

NM\_001111720.2

## NCBI GeneID

542086

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg  
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-  
Cell)

## NCBI Official Full Name

protein BRICK1

## NCBI Official Symbol

brk1

## NCBI Official Synonym Symbols

GRMZM5G842058

## NCBI Protein Information

protein BRICK1

## UniProt Gene Name

BRK1

## UniProt Protein Name

Protein BRICK1

## UniProt Primary Accession #

Q8RW98

## UniProt Related Accession #

Q8RW98

## UniProt Comments

Promotes multiple, actin-dependent cell polarization events in the developing leaf epidermis. Involved in regulation of actin and microtubule organization. Part of a WAVE complex that activates the Arp2/3 complex.

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