

# Recombinant human BRK1 protein

Catalog Number: ATGP2513

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-75aa

### UniProt No.

Q8WUW1

### NCBI Accession No.

NP\_060932

### Alternative Names

Protein BRICK1, C3orf10, hHBrk1, HSPC300, MDS027, BRICK1 subunit of SCAR/WAVE actin nucleating complex, Haematopoietic stem/progenitor cell protein 300

## PRODUCT SPECIFICATION

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### Molecular Weight

11.1 kDa (98aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

BRK1 involved in regulation of actin and microtubule organization. This protein is a part of a WAVE complex that activates the Arp2/3 complex. It belongs to the BRK1 family. Recombinant human BRK1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MAGQEDP VQREIHQDWA NREYIEIITS SIKKIADFLN SFDMSCRSRL ATLNEKLTAL

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ERRIEYIEAR VTKGETLT

## General References

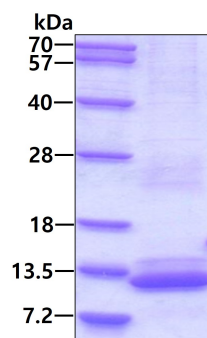
Eden S, Rohatgi R, et al. (2002). *Nature*. 418(6899):790-3.

Cascon A, Escobar B, et al. (2007). *Hum Mutat*. 28(6):613-21.

## DATA

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### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.