

Recombinant Human BRK1, His-tagged

Cat. No. BRK1-5017H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BRK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	11 kDa (98aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHHH SSGLVPRGSH MGSMAGQEDP VQREIHQDWA NREYIEIITS SIKKIADFLN SFDMSCRSRL ATLNEKLTAL ERRIEYIAR VTKGETLT
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing

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cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [BRK1 BRICK1, SCAR/WAVE actin-nucleating complex subunit \[Homo sapiens \]](#)

Official Symbol BRK1

Synonyms

BRK1; BRICK1, SCAR/WAVE actin-nucleating complex subunit; C3orf10, chromosome 3 open reading frame 10; protein BRICK1; BRICK1; SCAR/WAVE actin nucleating complex subunit; homolog (Arabidopsis thaliana); haematopoietic stem/progenitor cell protein 300; HSPC300; MDS027; probable protein BRICK1; BRICK1, SCAR/WAVE actin-nucleating complex subunit, homolog; hHBrk1; C3orf10;

Gene ID [55845](#)

mRNA Refseq [NM_018462](#)

Protein Refseq [NP_060932](#)

MIM [611183](#)

UniProt ID [Q8WUW1](#)

Chromosome Location 3p25.3

Pathway

ErbB1 downstream signaling, organism-specific biosystem; RAC1 signaling pathway, organism-specific biosystem; Regulation of Actin Cytoskeleton, organism-specific

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biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem;

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