

## Recombinant Human CDC42BPB Protein (His & GST Tag)

**Catalog Number:** PKSH031097

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

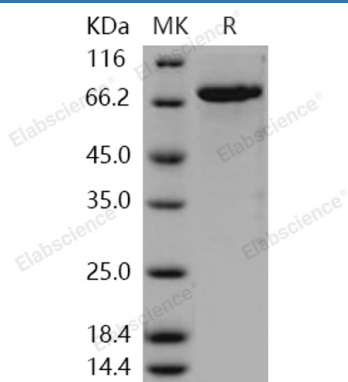
### Description

<b>Species</b>	Human
<b>Source</b>	Baculovirus-Insect Cells-derived Human CDC42BPB protein Met 1-His 427, with an N-terminal His & GST
<b>Calculated MW</b>	82.4 kDa
<b>Observed MW</b>	70 kDa
<b>Accession</b>	Q9Y5S2
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 94 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile 50mM PBS, 500mM NaCl, 10% glycerol, 2mM GSH, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
<b>Reconstitution</b>	Please refer to the specific buffer information in the printed manual. Please refer to the printed manual for detailed information.

### Data



> 94 % as determined by reducing SDS-PAGE.

### Background

CDC42BPB is a member of the serine / threonine protein kinase family that contains a Cdc42 / Rsc-binding p21 binding domain similar to that of PAK kinase. The kinase domain of this protein is related to the myotonic dystrophy kinase related ROK and this kinase may have functions in downstream regulating of Cdc42 in cytoskeletal recognition. It has been reported that the CDC42BPB protein take part in regulating numerous cellular functions by binding to members of a serine / threonine protein kinase subfamily. These functions include the remodeling of the cell cytoskeleton that is a feature of cell growth and differentiation.

### For Research Use Only