



Recombinant Protein Technical Manual

Recombinant Human CDC42BPB Protein (His & GST Tag)

RPES1205

Product Data:

Product SKU: RPES1205

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: Q9Y5S2

Protein Information:

Molecular Mass: 82.4 kDa

AP Molecular Mass: 70 kDa

Tag: N-His & GST

Bio-activity:

Purity: > 94 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 50mM PBS, 500mM NaCl, 10% gly, 2mM GSH, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: MRCKB

Immunogen Information:

Sequence: Met 1-His 427

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.