CDC42BPB
Recombinant Human CDC42 Binding Protein Kinase beta (aa 1-472) GST-His Tagged Active

Catalog No.	CRC025	**Quantity:**	50 µg

Alternate Names: MRCKB

Description: Recombinant human CDC42BPB containing amino acids M_1-H_{472} (as in GenBank entry NM_006035)*, N-terminally fused to GST-HIS_6-Thrombin cleavage site.
*Sequence may contain documented polymorphisms. Detailed sequence available upon request.

Concentration: 0.205 mg/ml

Gene ID: 9578

Protein Accession No: NP_006026

Source: Sf9 cells

Molecular Weight: 84.4 kDa

Formulation: Liquid in 50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione + 20% glycerol

Purification: Affinity purified using GSH-agarose

Specific Activity: 14 pmol/µg x min
Method for determination of K_m value & Specific activity:
Assay conditions:
60 mM HEPES-NaOH, pH 7.5
3 mM $MgCl_2$
3 mM $MnCl_2$
3 µM Na-orthovanadate
1.2 mM DTT
2.5 µg / 50 µl $PEG_{20.000}$
ATP (variable)
Substrate: hum. INSR-rel. receptor (917-923) derived peptide (KKRNRTLTK) 1 µg / 50 µl
Recombinant CDC42BPB: 50 ng / 50 µl
Filter binding assay
MSPH membrane (Millipore)

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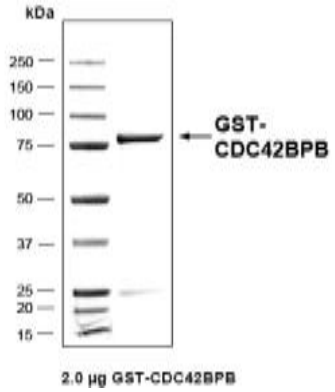
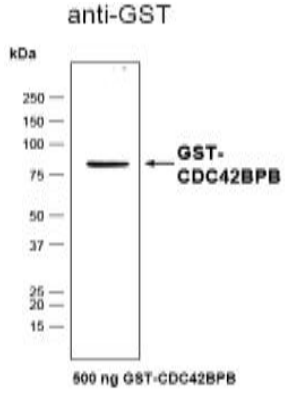
Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Coomassie stain:



Western Blot analysis:



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