

# Recombinant Full Length Human CDC42EP4 Protein, GST-tagged

**Cat. No.** CDC42EP4-3104HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CDC42EP4 full-length ORF (NP_036253.2, 1 a.a. - 356 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 356 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | The product of this gene is a member of the CDC42-binding protein family. Members of this family interact with Rho family GTPases and regulate the organization of the actin cytoskeleton. This protein has been shown to bind both CDC42 and TC10 GTPases in a GTP-dependent manner. When overexpressed in fibroblasts, this protein was able to induce pseudopodia formation, which suggested a role in inducing actin filament assembly and cell shape control. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 64.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MPILKQLVSSSVHSKRRSRADLTAEMISAPLGDFRHTMHVGRAGDAFGDTSFLNSK<br>AGEPDGESLDEQPSSSSSKRSLLSRKFRGSKRSQSVTRGEREQRDMLGSLRDSAL<br>FVKNAMSLPQLNEKEAAEKGTSKLPKSLSSSPVKKANDGEGGDEEAGTEEAVPRRN<br>GAAGPHSPDLLDEQAFGDLTDLPVVPKATYGLKHAESIMSFHIDLGPSMLGDVLSI<br>MDKEEWDPEEGEGGYHGDEGAAGTITQAPPYAVAAPPLARQEGKAGPDLPSLPSH<br>ALEDEGWAAAAPSPGSARSMGSHTTRDSSSLSSCTSGILEERSPAFRGPDRARAAV                                                                                                                                |

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SRQPDKEFSFMDEEEDEIRV

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

CDC42EP4 CDC42 effector protein (Rho GTPase binding) 4 [ Homo sapiens ]

**Official Symbol**

CDC42EP4

**Synonyms**

CDC42EP4; CDC42 effector protein (Rho GTPase binding) 4; cdc42 effector protein 4; binder of Rho GTPases 4; BORG4; Cdc42 effector protein 4; CEP4; KAIA1777; MGC3740; MGC17125;

**Gene ID**

23580

**mRNA Refseq**

NM\_012121

**Protein Refseq**

NP\_036253

**MIM**

605468

**UniProt ID**

Q9H3Q1

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