

Recombinant Mouse Cdc42 Protein, MYC/DDK-tagged

Cat. No. Cdc42-856M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse cell division cycle 42 (Cdc42), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses. Involved in epithelial cell polarization processes. Regulates the bipolar attachment of spindle microtubules to kinetochores before chromosome congression in metaphase. Plays a role in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia. Mediates CDC42-dependent cell migration.
Molecular Mass	21.7 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 g/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Cdc42 cell division cycle 42 [*Mus musculus* (house mouse)]

Official Symbol Cdc42

Synonyms Cdc42; cell division cycle 42; AI747189; AU018915; cell division control protein 42 homolog; G25K GTP-binding protein
cell division cycle 42 homolog; EC 3.6.5.2

Gene ID 12540

mRNA Refseq NM_009861

Protein Refseq NP_033991

UniProt ID P60766

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