

Recombinant Mouse Coro1c Protein, Myc/DDK-tagged

Cat. No. Coro1c-2273M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length coronin, actin binding protein 1C (Coro1c), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in directed cell migration by regulating the activation and subcellular location of RAC1. Increases the presence of activated RAC1 at the leading edge of migrating cells. Required for normal organization of the cytoskeleton, including the actin cytoskeleton, microtubules and the vimentin intermediate filaments. Required for normal cell proliferation, cell migration, and normal formation of lamellipodia. Plays a role in endoplasmic reticulum-associated endosome fission: localizes to endosome membrane tubules and promotes recruitment of TMCC1, leading to recruitment of the endoplasmic reticulum to endosome tubules for fission. Endosome membrane fission of early and late endosomes is essential to separate regions destined for lysosomal degradation from carriers to be recycled to the plasma membrane. Required for normal distribution of mitochondria within cells.
Molecular Mass	53.1 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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Coro1c coronin, actin binding protein 1C [Mus musculus (house mouse)]
Official Symbol	Coro1c
Synonyms	CORO1C; coronin, actin binding protein 1C; coronin-1C; coronin 3; coronin-3; coronin 1c; AL022675; AW455561; AW548837; MGC102522
Gene ID	23790
mRNA Refseq	NM_011779
Protein Refseq	NP_035909
UniProt ID	Q9WUM4

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