

Recombinant Mouse Drc1 Protein, Myc/DDK-tagged

Cat. No. Drc1-2658M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dynein regulatory complex subunit 1 (Drc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. Plays a critical role in the assembly of N-DRC and also stabilizes the assembly of multiple inner dynein arms and radial spokes. Coassembles with CCDC65/DRC2 to form a central scaffold needed for assembly of the N-DRC and its attachment to the outer doublet microtubules.
Molecular Mass	88.5 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 µg/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 [Drc1 dynein regulatory complex subunit 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Drc1](#)

Synonyms Drc1; dynein regulatory complex subunit 1; Gm1060; Ccdc164; b2b1654C; b2b1654Clo; dynein regulatory complex protein 1; coiled-coil domain containing 164; coiled-coil domain-containing protein 164

Gene ID [381738](#)

mRNA Refseq [NM_001033460](#)

Protein Refseq [NP_001028632](#)

UniProt ID [Q3USS3](#)

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