

Recombinant Mouse Dock8 Protein, Myc/DDK-tagged

Cat. No. Dock8-2628M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dedicator of cytokinesis 8 (Dock8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Guanine nucleotide exchange factor (GEF) which specifically activates small GTPase CDC42 by exchanging bound GDP for free GTP. During immune responses, required for interstitial dendritic cell (DC) migration by locally activating CDC42 at the leading edge membrane of DC. Required for CD4+ T-cell migration in response to chemokine stimulation by promoting CDC42 activation at T cell leading edge membrane. Is involved in NK cell cytotoxicity controlling polarization of microtubule-organizing center (MTOC), and possibly regulating CCDC88B-mediated lytic granule transport to MTOC during cell killing.
Molecular Mass	239.4 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.

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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.
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GENE INFORMATION

Gene Name	Dock8 dedicator of cytokinesis 8 [Mus musculus (house mouse)]
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Official Symbol	Dock8
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Synonyms	Dock8; dedicator of cytokinesis 8; AI461977; 1200017A24Rik; 5830472H07Rik; A130095G14Rik; dedicator of cytokinesis protein 8
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Gene ID	76088
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mRNA Refseq	NM_028785
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Protein Refseq	NP_083061
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UniProt ID	Q8C147
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