

Recombinant Mouse Dbnl Protein, Myc/DDK-tagged

Cat. No. Dbnl-2465M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length drebrin-like (Dbnl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Adapter protein that binds F-actin and DNMI1, and thereby plays a role in receptor-mediated endocytosis. Plays a role in the reorganization of the actin cytoskeleton, formation of cell projections, such as neurites, in neuron morphogenesis and synapse formation via its interaction with WASL and COBL. Does not bind G-actin and promote actin polymerization by itself. Required for the formation of organized podosome rosettes. May act as a common effector of antigen receptor-signaling pathways in leukocytes. Acts as a key component of the immunological synapse that regulates T-cell activation by bridging TCRs and the actin cytoskeleton to gene activation and endocytic processes.
Molecular Mass	48.7 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.

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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 Dbnl drebrin-like [*Mus musculus* (house mouse)]

Official Symbol Dbnl

Synonyms DBNL; drebrin-like; drebrin-like protein; actin-binding protein 1; SH3 domain-containing protein 7; Abp1; SH3P7; mAbp1

Gene ID 13169

mRNA Refseq NM_001146308

Protein Refseq NP_001139780

UniProt ID Q62418

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