

Recombinant Human DBNL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DBNL-1589H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DBNL MS Standard C13 and N15-labeled recombinant protein (NP_054782) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Adapter protein that binds F-actin and DNM1, 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	48.3 kDa
AA Sequence	MAANLSRNGPALQEAYVRVTEKSPTDWALFTYEGNSNDIRVAGTGEGGLEEMVE ELNSGKVMYAFRCRVKDPNSGLPKFVLINWTGEGVNDVRKGACASHVSTMASFLKG AHVTINARAEEDVEPECIMEKVAKASGANYSFHKESGRFQDVGPQAPVGSVYQKTN AVSEIKRVGKDSFWAKAEKEEENRRLEEKRRAEAAQRQLEQERRERELREAAARRE

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QRYQEQQGGEAS PQSRTWEQQQEVVSRNRNEQESAVHPREIFKQKERAMSTTSISS
PQPGKLRSPFLQKQLTQPETHFGREPAAAI SRPRADLPAEEPAPSTPPCLVQAE EEA
VYEEPPEQETFYEQPPLVQQQGAGSEHIDHHIQGQGLSGQGLCARALYDYQAADD
TEISFDPENLITGIEVIDEGWWRGYGPDGHFGMF PANYVELIETRTRPLEQKLISEED
LAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DBNL drebrin-like [Homo sapiens (human)]

Official Symbol DBNL

Synonyms DBNL; drebrin-like; drebrin-like protein; HIP 55; SH3P7; drebrin-F; cervical SH3P7; SH3 domain-containing protein 7; cervical mucin-associated protein; HPK1-interacting protein of 55 kDa; src homology 3 domain-containing protein HIP-55; ABP1; HIP-55;

Gene ID 28988

mRNA Refseq NM_014063

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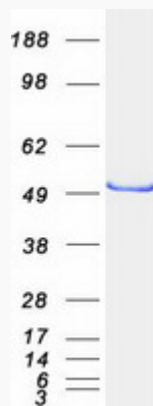
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Protein Refseq NP_054782

MIM 610106

UniProt ID Q9UJU6

SDS-PAGE



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