

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

**Cat. No.** DBNL-1273H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | DBNL MS Standard C13 and N15-labeled recombinant protein (NP_001014436) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 48.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MAANLSRNGPALQEAYVRVTEKSPTDWALFTYEGNSNDIRVAGTGEGGLEEMVE<br>ELNSGKVMYAFRCRVKDPNSGLPKFVLINWTGEGVNDVRKGACASHVSTMASFLKG<br>AHVTINARAEEDVEPECIMEKVAKASGANYSFHKESGRFQDVGPQAPVGSVYQKTN<br>AVSEIKRVGKDSFWAKAEKEEENRRLEEKRRAEAAQRQLEQERRERELREAAARRE                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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QRYQEQGGEAS 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\\_001014436](#)

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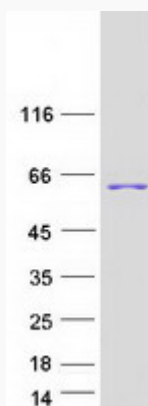
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**Protein Refseq** NP\_001014436

**MIM** 610106

**UniProt ID** Q9UJU6

**SDS-PAGE**



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