Recombinant Human DBNL protein, His-tagged

Cat. No. DBNL-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of Homo sapiens drebrin like (DBNL), transcript variant 1 (NM_014063), with a His tag was expressed in human cells.
Species	Human
Source	Human Cells
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	48.2 kDa
Endotoxin	< 0.1 ng/μg of protein (< 1 EU/μg)
Purity	> 90 % by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and

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	protein-protein interaction studies; For research & development use only!
Storage Buffer	Purified protein formulated in a sterile solution of PBS buffer, pH7.2, without any preservatives

GENE INFORMATION

Gene Name	DBNL drebrin like [Homo sapiens (human)]
Official Symbol	DBNL
Synonyms	DBNL; drebrin like; ABP1; HIP55; SH3P7; HIP-55; drebrin-like protein; HPK1-interacting protein of 55 kDa; SH3 domain-containing protein 7; actin-binding protein 1; cervical SH3P7; cervical mucin-associated protein; drebrin-F; src homology 3 domain-containing protein HIP-55
Gene ID	28988
mRNA Refseq	NM_014063
Protein Refseq	NP_054782
MIM	610106
UniProt ID	Q9UJU6

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