

Datasheet for ABIN7563967
DBNL Protein (AA 1-436) (His tag)



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Overview

Quantity:	1 mg
Target:	DBNL
Protein Characteristics:	AA 1-436
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DBNL protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Dbnl Protein expressed in mammalien cells.
Sequence:	MAVNLSRNGP ALQEAYVRVV TEKSPTDWAL FTYEGNSNDI RVAGTGEGGL EELVEELNSG KVMYAFCRVK DPNSGLPKFV LINWTGEGVN DVRKGACANH VSTMANFLKG AHVTINARAE EDVEPECIME KVAKASGANY SFHKESTSFQ DVGPQAPVGS VYQKTNAISE IKRVGKDNFW AKAEKEEENR RLEEKRAAE ERQRLEEERR ERELQEAARR EQRYQEQHRS AGAPSPSSRT GEPEQEAVSR TRQEWESAGQ QAPHPREIFK QKERAMSTTS VTSSQPGKLR SPFLQKQLTQ PETSYGREPT APVSRPAAGV CEEPAPSTLS SAQTEEEPTY EVPEQDTLY EEPPLVQQQG AGSEHIDNYM QSQGFSGQGL CARALYDYQA ADDTEISFDP ENLITGIEVI DEGWWRGYGP DGHFGMF PAN YVELIE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: DBNL

Alternative Name: Dbnl ([DBNL Products](#))

Background: Drebrin-like protein (Actin-binding protein 1) (SH3 domain-containing protein 7),FUNCTION: 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. {ECO:0000269|PubMed:11309416, ECO:0000269|PubMed:17476322, ECO:0000269|PubMed:18829961, ECO:0000269|PubMed:22303001, ECO:0000269|PubMed:23223303}.

Molecular Weight: 48.7 kDa

UniProt: [Q62418](#)

Target Details

Pathways: [TCR Signaling, Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months