

Datasheet for ABIN7553683
DENND1B Protein (AA 1-775) (His tag)



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Overview

Quantity:	1 mg
Target:	DENND1B
Protein Characteristics:	AA 1-775
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DENND1B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DENND1B Protein expressed in mammalian cells.
Sequence:	MDCRTKANPD RTFDLVKVK CHASENEDPV VLWKFPEDFG DQEILQSVPK FCFPFDVERV SQNQVQGHFT FVLTDIESKQ RFGFCRLTSG GTICLCILSY LPWFVEVYYKL LNTLADYLAK ELENLNETL RSLYNHPVPK ANTPVNLSVN QEIFIACEQV LKDQPALVPH SYFIAPDVTG LPTIPESRNL TEYFVAVDVN NMLQLYASML HERRIVIASS KLSTLTACIH GSAALLYPMY WQHIYIPVLP PHLLDYCCAP MPYLIGHSS LIERVKNKSL EDVVMLNVDN NTLESPFSDL NNLPSDVVSA LKNKLLKQST ATGDGVARAF LRAQAALFGS YRDALRYKPG EPITFCEESF VKHRSSVMKQ FLETAINLQL FKQFIDGRLA KLNAGRGSF VFEETSSGG FCGGNPRSYQ QWVHTVKKGG ALFNTAMTKA TPAVRTAYKF AKNHAKLGLK EVKSKLKHKE NEEDYGTCCS SVQYTPVYKL HNEKGGNSEK RKLAQARLKR PLKSLDGALY DDEDDDDIER ASKLSEEDGE EASAYLES DSVETRVKTP YSGEMDLLGE ILDTLSTHSS DQGKLA AAKS LDFFRSMDDI DYKPTNKSNA PSENNLAFLC GGSGDQAEWN LGQDDSAHKG KHLPPSPRKR VSSSGLTDSL FILKEENSNK HLGADNVSDP TSGLDLQFSLTS PEVSQTDKGG TEKRETLSQL SDDLIPGLG

Product Details

RHSSTFVPWE KEGKEAKETS EDIGLLHEV SLCHMTSDFQ QSLNISDKNT NGNQT **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: DENND1B

Alternative Name: DENND1B ([DENND1B Products](#))

Background: DENN domain-containing protein 1B (Connecdenn 2) (Protein FAM31B),FUNCTION: Guanine nucleotide exchange factor (GEF) for RAB35 that acts as a regulator of T-cell receptor (TCR) internalization in TH2 cells (PubMed:20154091, PubMed:20937701, PubMed:24520163, PubMed:26774822). Acts by promoting the exchange of GDP to GTP, converting inactive GDP-bound RAB35 into its active GTP-bound form (PubMed:20154091, PubMed:20937701). Plays a role in clathrin-mediated endocytosis (PubMed:20154091). Controls cytokine production in TH2 lymphocytes by controlling the rate of TCR internalization and routing to endosomes: acts by

Target Details

mediating clathrin-mediated endocytosis of TCR via its interaction with the adapter protein complex 2 (AP-2) and GEF activity (PubMed:26774822). Dysregulation leads to impaired TCR down-modulation and recycling, affecting cytokine production in TH2 cells (PubMed:26774822). {ECO:0000269|PubMed:20154091, ECO:0000269|PubMed:20937701, ECO:0000269|PubMed:24520163, ECO:0000269|PubMed:26774822}.

Molecular Weight: 86.6 kDa

UniProt: [Q6P3S1](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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