

Datasheet for ABIN3092124

## DENND4B Protein (AA 1-1496) (Strep Tag)



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	DENND4B
Protein Characteristics:	AA 1-1496
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DENND4B protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MAEERPPRLV DYFVVAGLAG NGAPIEETW VPEPSGPLRP PRPAEPITDV AVIARALGEE</p> <p>VPQGYTCIQA SAGGHPELS AGLLGGTQPV ICYRRGRDKP PLVELGVLYE GKERP KPGFQ</p> <p>VLDTPYSHS ANLAPPGPGH PRTYLT YRRA AEGAGLHALG ITDLCLVLPS KEGTPHTYC</p> <p>RLPRNLNPGM WGPAVYLCYK VGLAKANTLV YEAELLGRYP EEDNEAFPLP ESNPVFCLPM</p> <p>GATIECWPAQ TKYPVPVFST FVLTGAAGDK VYGAALQFYE AFPRARLSER QARALGLLSA</p> <p>VERGRALGGR AVRSRRAIAV LSRWPAFPAP RAFLTFLYRY SVSGPHRLPL EAHISHFIHN</p> <p>VPFPSPQRPR ILVQMSPYDN LLLCQPVSSP LPLSGASFLQ LLQSLGPELA ITLLAVLTE</p> <p>HKLLVHSLRP DLLTSVCEAL VSMIFPLHWQ CPYIPLCPLV LADVLSAPVP FIVGIHSSYF</p> <p>DLHDPPADVI CVDLDTNTLF QTEKKLLSP RTLPRRPYKV LLATLTNLYQ QLDQTYTGPE</p> <p>EEASLEFLLT DYEAVCGRRA RLEREVQGAF LRFMACLLKG YRVFLRPLTQ APSEGARDVD</p> <p>NLFFLQGFLK SRERSSHKLY SPLLHTQMFS QFIECSFGS ARHAALFFD SCVEKVHPEQ</p>

EKPEPTPLVE LEELSGSELT VFITPPEEPA LPEGSESTPQ YCYDGFPELR AELFESLQEQ  
PGALPVPGPS RSAPSSPAPR RTKQEMKVAQ RMAQKSAAVP ELWARCLLGH CYGLWFLCLP  
AYVRSAPSRV QALHTAYHVL RQMESGKVV L PDEV CYRVLM QLC SHY GQPV LSVRVMLEMR  
QAGIVPNTIT YGYYNKAVLE SKWPSGTPGG RLRWAKLRNV VLGA AQFRQP LRERQQQQQQ  
QQQQQQQQQQ EQVSAHQEAG SSQAEPYLER PSPTRPLQRQ TTWAGRSLRD PASPPGRLVK  
SGSLGSARGA QPTVEAGVAH MIEALGVLEP RGSPVPWHDG SLSDL SLTGE EPLPGGSPGG  
SGSALSAQST EALEGLSGRG PKAGGRQDEA GTPRRGLGAR LQQLLTPSRH SPASRIPPPE  
LPPDLPPPAR RSPMDSLLHP RERPGSTASE SSASLGSEWD LSESSLNLS LRRSSERLSD  
TPGSFQSPSL EILLSSCSLC RACDSL VYDE EIMAGWAPDD SNLNTTC PFC ACPFVPLLSV  
QTLDSRPSVP SPKSAGASGS KDAPVPGGPG PVLSDRRLCL ALDEPQLCNG HMGGASRRVE  
SGAWAYLSPL VLRKEESLV ENEGSEVLAL PELPSAHPII FWNLLWYFQR LRLPSILPGL  
VLASCDGPSH SQAPSPWLTP DPASVQVRL WDVLTDPNS CPPLYVLWRV HSQIPQRVWV  
PGPVPASLSL ALLESVLRHV GLNEVHKAVG LLETLGPPP TGLHLQRGIY REILFLTMAA  
LGKDHVDIVA FDKKYKSAFN KLASMGKEE LRHRRQMPT PKAIDCRKCF GAPPEC

**Sequence without tag. The proposed Strep-Tag is based on experience s 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:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

#### Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for

## Product Details

protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

### Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

## Target Details

Target:	DENND4B
Alternative Name:	DENND4B ( <a href="#">DENND4B Products</a> )
Background:	DENN domain-containing protein 4B,FUNCTION: Guanine nucleotide exchange factor (GEF) which may activate RAB10. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form. {ECO:0000269 PubMed:20937701}.
Molecular Weight:	163.8 kDa
UniProt:	<a href="#">O75064</a>

## 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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.

## Application Details

---

During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.  
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months