

Datasheet for ABIN7562582

## Dystrobrevin beta Protein (AA 1-659) (His tag)



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### Overview

Quantity:	1 mg
Target:	Dystrobrevin beta (DTNB)
Protein Characteristics:	AA 1-659
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Dystrobrevin beta protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Dtnb Protein expressed in mammalien cells.
Sequence:	<p>MIEEGGNKRK TMAEKRLFI EMRAQNFDVI RLSTYRTACK LRFVQKRCNL HLVDIWNMIE</p> <p>AFRDNGLNTL DHSTEISVSR LETVISSYY QLNKRLPSTH QISVEQSISL LLNFMVAAYD</p> <p>SEGRGKLTVF SVKAMLATMC GGKMLDKLRY IFSQMSDSNG LMMFGKLDQF LKEALKLPTA</p> <p>VFEGPSFGYT EHAVRTCFFPQ QKKIMLNMFL DTMMADPPPQ CLVWLPLMHR LAHVENVFHP</p> <p>VECSYCHCES MMGFRYRCQQ CHNYQLCQNC FWRGHASGAH SNQHQMKEHS SWKSPAKKLS</p> <p>HAISKSLGCV PSREPPHPVF PEQPEKPLDL AHLVPPRPLT NMNDTVVSHM SSGVPTPTKR</p> <p>LQYSQDMPNL LADEHALIAS YVARLQHCTR VLDSPSRLDE EHRILIARYAA RLAAEAGNMT</p> <p>RPPTDASFNF DANKQQRQLI AELENKNREI LQEIQLRLE HEQASQPTPE KAQQNPMLLA</p> <p>ELRLLRQRKD ELEQRMSALQ ESRRELMVQL EGLMKLLKAQ ATGSPHTSPT HGGGRPMMPMP</p> <p>VRSTSAGSTP THGPQDSLGS VGGDVQEAFQ QGTRRNLRND LLVAADSITN TMSSLVKELH</p> <p>SGAEAEQAG TEKTRGLPP RGTFLSVFLL HTWTKLAGCQ THSTSRERSQ AYGKWGGTA</p>

**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:

- 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:

Dystrobrevin beta (DTNB)

### Alternative Name:

Dtnb ([DTNB Products](#))

### Background:

Dystrobrevin beta (DTN-B) (mDTN-BDTN-B) (Beta-dystrobrevin), FUNCTION: Scaffolding protein that assembles DMD and SNTA1 Molecules to the basal membrane of kidney cells and liver sinusoids (PubMed:11585924). May function as a repressor of the SYN1 promoter through the binding of repressor element-1 (RE-1), in turn regulates SYN1 expression and may be involved in cell proliferation regulation during the early phase of neural differentiation (PubMed:20530487). May be required for proper maturation and function of a subset of inhibitory synapses (PubMed:16540561). {ECO:0000269|PubMed:11585924, ECO:0000269|PubMed:16540561, ECO:0000269|PubMed:20530487}.

### Molecular Weight:

74.4 kDa

## Target Details

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UniProt: [O70585](#)

## Application Details

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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

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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