

Datasheet for ABIN7560154
NECAB2 Protein (AA 1-389) (His tag)



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Overview

Quantity:	1 mg
Target:	NECAB2
Protein Characteristics:	AA 1-389
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NECAB2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Necab2 Protein expressed in mammalian cells.
Sequence:	MCERAARLCR AGAHRLLREP PPQGRALGGL LRWVGARMGE PRAPLVPDIP SADPGPGPAA SRGGTAVILD IFRRADKNDD GKLSLEEFQL FFADGVLNEK ELEGFHTID SDNTNHVDTK ELCDYFVEHM GDYEDVLASL ETLNHSVLKA MGYTKKVYEG GSNVDQFVTR FLLKETANQI QSLSSVESA VEAIEEQTSQ IRQDHCKPSH AVNESRYGGP TPHYIPNHKL VAPEPMKSLP VATGEPKEDG LEGQISRLAE LIGRLESKTL SFDLQQLSD EEGTNMHLQL VRQEMAVCPE QLSEFLDSL RQYLRSTAEER NCFHVAAVRM ADGLTFVIYE FWETEEEWKR HLQSPVCKAF RHVKVDTLSQ PEALSQISVP AAWCTSGRD 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.

Product Details

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:

NECAB2

Alternative Name:

Necab2 ([NECAB2 Products](#))

Background:

N-terminal EF-hand calcium-binding protein 2 (EF-hand calcium-binding protein 2) (Neuronal calcium-binding protein 2),FUNCTION: May act as a signaling scaffold protein that senses intracellular calcium. Can modulate ligand-induced internalization of ADORA2A and coupling efficiency of mGluR5/GRM5, for both receptors may regulate signaling activity such as promoting MAPK1/3 (ERK1/2) activation. {ECO:0000250|UniProtKB:Q7Z6G3}.

Molecular Weight:

43.4 kDa

UniProt:

[Q91ZP9](#)

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