

Datasheet for ABIN7565170  
**NUMB Protein (AA 1-653) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | NUMB  |
| Protein Characteristics:      | AA 1-653                                    |
| Origin:                       | Mouse                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This NUMB protein is labelled with His tag. |

## Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinant Numb Protein expressed in mammalian cells.  |
| Sequence: | <p>MNKLRSQSFRR KKDYYVPEAS RPHQWQTDEE GVRTGKCSFP VKYLGHVEVD ESRGMHICED<br/>AVKRLKAERK FFKGFFGKTG KKAVKAVLWV SADGLRVVDE KTKDLIVDQT IEKVSFCAPD<br/>RNFDRFSYI CRDGTTRRWI CHCFMAVKDT GERLSHAVGC AFAACLERKQ KREKECGVTA<br/>TFDASRTTFT REGSFRVTTA TEQAEREEIM KQLQDAKAE TDKTVVGPSV APGNTAPSPS<br/>SPTSPTPDGT ASSEMNNPHA IPRRHAPIEQ LARQGSFRGF PALSQKMSPF KRQLSLRINE<br/>LPSTMQRKTD FPIKNTVPEV EGEAESISSL CSQITSAFST PSEDPFSSAP MTKPVTLVAP<br/>QSPVLQANGT DSASHVLTAK PANTALAHVA MPVRETNPWA HVPDAANKEI AAIHPGTEWG<br/>QSSGAASPGL FQAGHRRTPS EADRWLEEVS KSVRAQQPV SAAPLQPVLP PPPPAAIAPP<br/>APPFQGHAFI TSQPVVGVV PPLQPAFVPT QSYVANGMP YPASNVPVVG ITPSQMVANV<br/>FGTAGHPQTT HPHQSPSLAK QQTFPQYETS SATTSPFFKP PAQHLNGSAA FNGVDNGGLA<br/>SGNRHAEVPP GTCVPDPFEA QWAALESKSK QRTNPSPTNP FSSDLQKTFE IEL <b>Sequence</b><br/><b>without tag. The proposed Purification-Tag is based on experiences with the expression</b></p> |

## Product Details

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**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

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Target: NUMB

Alternative Name: Numb ([NUMB Products](#))

Background: Protein numb homolog (m-Nb) (m-Numb),FUNCTION: Regulates clathrin-mediated receptor endocytosis (By similarity). Plays a role in the process of neurogenesis (PubMed:10841580, PubMed:12410312, PubMed:15273690, PubMed:17174898). Required throughout embryonic neurogenesis to maintain neural progenitor cells, also called radial glial cells (RGCs), by allowing their daughter cells to choose progenitor over neuronal cell fate (PubMed:15273690, PubMed:12410312). Not required for the proliferation of neural progenitor cells before the onset of neurogenesis (PubMed:15273690, PubMed:12410312). Also involved postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity (PubMed:17174898). May also mediate local repair of brain ventricular wall

## Target Details

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damage (PubMed:17174898). {ECO:0000250|UniProtKB:P49757, ECO:0000269|PubMed:10841580, ECO:0000269|PubMed:12410312, ECO:0000269|PubMed:15273690, ECO:0000269|PubMed:17174898}.

Molecular Weight: 70.8 kDa

UniProt: [Q9QZS3](#)

Pathways: [Cell-Cell Junction Organization](#)

## Application Details

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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

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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