

Datasheet for ABIN7564033
N4BP1 Protein (AA 1-893) (His tag)



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Overview

Quantity:	1 mg
Target:	N4BP1
Protein Characteristics:	AA 1-893
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This N4BP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant N4bp1 Protein expressed in mammalian cells.
Sequence:	MAARVVLDEF TAPAEKAALL ERSRGRIEAL FGVGLAVLGA LGAEELPAR IWLQLRGAQE AVHSAKEYIK GICEPELEEK ECYPKAMHCI FVGAQSLFLK SLIQDTCADL CVLDTGLLGI RGSAAVVMMA RSHIQQFVKL FESNENLPSN QRESEIKREF RQFVEAHADS YTMDLLILPT SLKKELLSLT QGEESLFETD DDVITVG DVR PPEYTQSAAT GPSSARDEVV VQEDSRNKAR TPVSELTKHM DTVFSSSPDV LFVPVNLSP DEDALSKDRV CHKRRSSDTE ERHTKKQFSL ENVPEGELLP DGKGSAGNEV IDLSDPASNS TNLSPDGKDT TEEMEYNILV NFFKTMGYSQ EIVEKVIREY GPSTEPLLLL EEIEKENKRL QEDRDFPPCT VYPDASQSRN AGVGSTTNEL TADSTPKKAQ SHTEQSMVER FSQLPFKDSK HCTSNCKVNS FRTVPVGQKQ EIWGSQKQNSS CTVDLETGDH SASAASAPK DISFVSRGAS GHQQRNPAFP ENG FQQQTEP LLPNNTKPAC EKRS GSCSSP QPKPNYPPLS PPLPLPQLL SVTEARLGGS SDHIDSSVTG VQRFRDTLKI PYKLELKNP GRADLKHIVI DGSNVAITHG LKKFFSCRG I AIAVEYFWKL GNRNITVFVP QWRTRRDPNI TEQHFLTQLQ ELGILSLTPA RMVFERIAS HDDRFLHLA DKTGGIIVTN

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DNFREFVTES VSWREIITKR LLQYTFVGD I FMVPDDPLGR NGPRLEEFLLR KEAFLRHMQP
LLNALPSVGT FDPGFRSPST QVANNSHQPP PRIQTSSSPW LPQQSHFTAL ATLPSMQQNP
PLPAQRSSAE TSELREALLK IFPDSEQKLIK IDQILAAHPY MKDLNALSAL VLD **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: N4BP1

Alternative Name: N4bp1 ([N4BP1 Products](#))

Background: NEDD4-binding protein 1 (N4BP1) (EC 3.1.-.-),FUNCTION: Potent suppressor of cytokine production that acts as a regulator of innate immune signaling and inflammation (PubMed:32971525). Acts as a key negative regulator of select cytokine and chemokine responses elicited by TRIF-independent Toll-like receptors (TLRs), thereby limiting inflammatory cytokine responses to minor insults (PubMed:32971525). In response to more threatening

Target Details

pathogens, cleaved by CASP8 downstream of TLR3 or TLR4, leading to its inactivation, thereby allowing production of inflammatory cytokines (PubMed:32971525). Acts as a restriction factor against some viruses: restricts viral replication by binding to mRNA viruses and mediating their degradation via its ribonuclease activity (By similarity). Also acts as an inhibitor of the E3 ubiquitin-protein ligase ITCH: acts by interacting with the second WW domain of ITCH, leading to compete with ITCH's substrates and impairing ubiquitination of substrates (PubMed:17592138). {ECO:0000250|UniProtKB:O75113, ECO:0000269|PubMed:17592138, ECO:0000269|PubMed:32971525}.

Molecular Weight: 99.1 kDa

UniProt: [Q6A037](#)

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