

Datasheet for ABIN7564707  
**NUP85 Protein (AA 1-656) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NUP85
Protein Characteristics:	AA 1-656
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUP85 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Nup85 Protein expressed in mammalian cells.
Sequence:	<p>MEELDCEPAV TWIPGVNSKK KQMCFDWGP G EMLLCETSFN QTGKSEKVPS CPFIIIRKD</p> <p>VDVYSQILRK LFNESHGIFV GLQKIEEELS GKSRKAQLVR VSKNYRSVIR ACMEEMHQVA</p> <p>IAAKDPASGR QFSSQVSILS AMELIWNLCE ILFIEVAPAG PLLHLLDWV RLHVCEVDSL</p> <p>SADVLGGDNP SKHENFWDLV TVLVLQGRD EARQMLAKEA DANPSCAGMC RVLGDL MRTM</p> <p>PILSPGNTQT LTELKWKQH WREECERHLQ DNTFAANPRL ESLCKIMLGD EAALLEQKEL</p> <p>LSNWyHFLVT RLLYSNPTVK PIDLHFYAQS SLDMFLGGES SPEPLDNILM AAFEFDIHQV</p> <p>IKECSIALSN WWFVAHLTDL LDHCRLLQSH NLYFGSNMRE FLLLEYASGL FAHHS LWQLG</p> <p>VDYFDYCP EL GRVSLELHIE RIPLNTEQKA LKVL RICEQR QMTEQVKSIC KILAMKAVRN</p> <p>NRLGSALSWS IRAKDAAFAT LVSDRFLRDY CERGCFSDLD LIDNLGSAMM LSDRLTFLGK</p> <p>YREFHRLYGE KRFGDAASLL LSLMTSQIAP RSFWMTLLTD ALPLLEQKQV IFSAEQTYEL</p> <p>MRCLEDLASG RPECGE PDAQ RLQDDDIETT KVEMLRLALA RNLARAIIRE GSLEGS <b>Sequence</b></p> <p><b>without tag. The proposed Purification-Tag is based on experiences with the expression</b></p>

## Product Details

**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:** NUP85

**Alternative Name:** Nup85 ([NUP85 Products](#))

**Background:** Nuclear pore complex protein Nup85 (85 kDa nucleoporin) (FROUNT) (Nucleoporin Nup85) (Pericentrin-1),FUNCTION: Essential component of the nuclear pore complex (NPC) that seems to be required for NPC assembly and maintenance. As part of the NPC Nup107-160 subcomplex plays a role in RNA export and in tethering NUP96/Nup98 and NUP153 to the nucleus. The Nup107-160 complex seems to be required for spindle assembly during mitosis. NUP85 is required for membrane clustering of CCL2-activated CCR2. Seems to be involved in CCR2-mediated chemotaxis of monocytes and may link activated CCR2 to the phosphatidylinositol 3-kinase-Rac-lammellipodium protrusion cascade. Involved in nephrogenesis. {ECO:0000250|UniProtKB:Q9BW27}.

## Target Details

Molecular Weight: 74.8 kDa

UniProt: [Q8R480](#)

## 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