

Datasheet for ABIN7564774  
**NR3C2 Protein (AA 1-978) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NR3C2
Protein Characteristics:	AA 1-978
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR3C2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Nr3c2 Protein expressed in mammalien cells.
Sequence:	METKGYHSLP EGLDMERRWS QVSQTLERSS LGPAERTNEN SYMEIVNVSC VSGATPNNST QGSSKEKHEL LPCLQQDNSR SGILPSDIKT ELESKELSAT VAESMGLYMD SVRDAEYTYD QQNQQGSLSLSP AKIYQNMEQL VKFYKENGHR SSTLSAISRP LRSFMPDSGT SMNGGALRAI VKSPIICHEK SPSVCSPLNM PSSVCSPAGI NSMSSSTASF GSFPVHSPIT QGTSLTCSPS VENRGRSRSHS PVHASNVGSP LSSPLSSMKS PISSPPSHCS VKSPVSSPNN VPLRSSVSSP ANLNNSRCSV SSPSNTNRS TLSSPTASTV GSIGSPISNA FSYTTSGASA GAGAIQDMVP SPDTHEKGAH DVPPFKTEEV EKAINGVTVG QLNIVQYIKP EPDGAFFSSC LGGNNKINPS SPFSVPIKQE SSKHSCSGAS FKGNTVNPFP FMDGYSYFSF MDDKDYYSLG GILGPPVPGF DSSCEGSAFP GGIKQEPDDG SYFPETSIPS SAIIGVNSGG QSFHYRIGAQ GTISLSRSPR DQSFQHLSSF PPVNALVESW KPHGDLSSRR SDGYPVLEYI PENVSSSTLR SVSTGSSRPS KICLVCGDEA SGCHYGVVTC GSCKVFFKRA VEHNYLCAGR NDCIIDKIRR KNCPACRLQK

## Product Details

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CLQAGMNLGA RKSCKLGKLGK GLHEEQPQQP PPSPPQSPEE GTTYIAPTKE PSVNSALVPQ  
LASITRALTP SPSMILENIE PEIVYAGYDN SKPDTAESLL STLNRLAGKQ MIQVVKWAKV  
LPGFKNLPLE DQITLIQYSW MCLSSFALSW RSYKHTNSQF LYFAPDLVFN EEKMHQSAMY  
ELCQGMQRIS LQFVRLQLTF EEYSIMKVLL LLSTVPKDGL KSQAAFEEMR TNYIKELRKM  
VTKCPNSSGQ SWQRFYQLTK LLDSMHDLVN DLLEFCFYTF RESQALKVEF PAMLVEIISD  
QLPKVESGNA KPLYFHRK **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

NR3C2

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### Alternative Name:

Nr3c2 ([NR3C2 Products](#))

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### Background:

Mineralocorticoid receptor (MR) (Nuclear receptor subfamily 3 group C member 2),FUNCTION: Receptor for both mineralocorticoids (MC) such as aldosterone and glucocorticoids (GC) such as corticosterone or cortisol. Binds to mineralocorticoid response elements (MRE) and transactivates target genes. The effect of MC is to increase ion and water transport and thus raise extracellular fluid volume and blood pressure and lower potassium levels.

## Target Details

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{ECO:0000269|PubMed:19029984}.

Molecular Weight: 106.4 kDa

UniProt: [Q8VII8](#)

Pathways: [ACE Inhibitor Pathway](#), [Nuclear Receptor Transcription Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

## 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