

Datasheet for ABIN7554787  
**NR2F6 Protein (AA 1-404) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NR2F6
Protein Characteristics:	AA 1-404
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR2F6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant NR2F6 Protein expressed in mammalian cells.
Sequence:	MAMVTGGWGG PGGDTNGVDK AGGYPRAED DSASPPGAAS DAEPGDEERP GLQVDCVCG DKSSGKHYGV FTCEGCKSFF KRSIRRNLSY TCRSNRDCQI DQHHRNQCQY CRLKKCFRVG MRKEAVQRGR IPHSLPGAVA ASSGPPGSA LAAVASGGDL FPGQPVELI AQLLRAEPYP AAAGRFGAGG GAAGAVLGID NVCELAARLL FSTVEWARHA PFFPELPVAD QVALLRLSWS ELFVLNAAQA ALPLHTAPLL AAAGLHAAPM AAERAVAFMD QVRAFQEQVD KLGRLQVDSA EYGCLKAIAL FTPDACGLSD PAHVESLQEK AQUALTEYVR AQYPSQPQRF GRLLLRPAL RAVPASLISQ LFFMRLVGKT PIETLIRDML LSGSTFNWPY GSGQ <b>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.</b>
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

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

NR2F6

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### Alternative Name:

NR2F6 ([NR2F6 Products](#))

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### Background:

Nuclear receptor subfamily 2 group F member 6 (V-erbA-related protein 2) (EAR-2),FUNCTION: Transcription factor predominantly involved in transcriptional repression. Binds to promoter/enhancer response elements that contain the imperfect 5'-AGGTCA-3' direct or inverted repeats with various spacings which are also recognized by other nuclear hormone receptors. Involved in modulation of hormonal responses. Represses transcriptional activity of the lutropin-choriogonadotropic hormone receptor/LHCGR gene, the renin/REN gene and the oxytocin-neurophysin/OXT gene. Represses the triiodothyronine-dependent and -independent transcriptional activity of the thyroid hormone receptor gene in a cell type-specific manner. The corepressing function towards thyroid hormone receptor beta/THRB involves at least in part the inhibition of THRB binding to triiodothyronine response elements (TREs) by NR2F6. Inhibits NFATC transcription factor DNA binding and subsequently its transcriptional activity. Acts as transcriptional repressor of IL-17 expression in Th-17 differentiated CD4(+) T cells and may be involved in induction and/or maintenance of peripheral immunological tolerance and

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## Target Details

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autoimmunity. Involved in development of forebrain circadian clock, is required early in the development of the locus coeruleus (LC). {ECO:0000269|PubMed:10644740, ECO:0000269|PubMed:10713182, ECO:0000269|PubMed:11682620, ECO:0000269|PubMed:18701084}.

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Molecular Weight: 43.0 kDa

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UniProt: [P10588](#)

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

## 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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months