

Datasheet for ABIN7551991  
**AHRR Protein (AA 1-701) (His tag)**



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## Overview

Quantity:	1 mg
Target:	AHRR
Protein Characteristics:	AA 1-701
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AHRR protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat AHRR Protein expressed in mammalien cells.
Sequence:	MPRTMIPPGE CTYAGRKRRR PLQQRPAVG AEKSNPSKRH RDRLNAELDH LASLLPFPPD IISKLDKLSV LRLSVSYLRV KSFFQVVQEQ SSRQPAAGAP SPGDSCPLAG SAVLEGRLLL ESLNGFALVV SAEGTIFYAS ATIVDYLGFH QTDVMHQNIY DYIHVDDRQD FCRQLHWAMD PPQVVFQPPP PLETGDDAIL GRLLRAQEWG TGTPTEYSAF LTRCFICRVR CLLDSTSGFL TMQFQGKLF LFGQKKKAPS GAMLPPRLSL FCIAAPVLLP SAAEMKM RSA LLRAKPRADT AATADAKVKA TTSLCESELH GKP NYSAGRS SRESGVLVLR EQTDAGRWAQ VPARAPCLCL RGGPDLVLDP KGGSGDREEE QHRMLSRASG VTGRRETPGP TKPLPWTAGK HSEDGARPRL QPSKNDPPSL RPMPRGSCLP CPCVQGTFRN SPISHPPSPS PSAYSSRTSR PMRDVGEDQV HPPLCHFPQR SLQHQLPQPG AQRFATRQYP MEDMKLQGV P MPPGDLGCP T LLLDVS IKME KDSGCEGAAD GCVPSQVWL G ASDRSH PATF PTRMHLKTEP DSRQQVYISH LGHGVRGAQP HGRATAGRSR ELTPFH PAHC ACLEPTDGLP QSEPPHQLCA RGRGEQSCTC RAAEAAPVVK

## Product Details

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REPLDSPQWA THSQGMVPGM LPKSALATLV PPQASGCTFL P **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:

AHRR

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### Alternative Name:

AHRR ([AHRR Products](#))

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### Background:

Aryl hydrocarbon receptor repressor (AhR repressor) (AhRR) (Class E basic helix-loop-helix protein 77) (bHLHe77),FUNCTION: Mediates dioxin toxicity and is involved in regulation of cell growth and differentiation. Represses the transcription activity of AHR by competing with this transcription factor for heterodimer formation with the ARNT and subsequently binding to the xenobiotic response element (XRE) sequence present in the promoter regulatory region of variety of genes. Represses CYP1A1 by binding the XRE sequence and recruiting ANKRA2, HDAC4 and/or HDAC5. Autoregulates its expression by associating with its own XRE site. {ECO:0000269|PubMed:17890447, ECO:0000269|PubMed:18172554}.

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### Molecular Weight:

76.3 kDa

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## Target Details

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UniProt: [A9YTQ3](#)

Pathways: [Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha](#)

## 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