

Datasheet for ABIN7563166

## Angiotensin II Type 2 Receptor Protein (AA 1-363) (His tag)



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### Overview

Quantity:	1 mg
Target:	Angiotensin II Type 2 Receptor (AGTR2)
Protein Characteristics:	AA 1-363
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiotensin II Type 2 Receptor protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Agtr2 Protein expressed in mammalian cells.
Sequence:	<p>MKDNFSFAAT SRNITSSRPF DNLNATGTNE SAFNC SHKPS DKHLEAIPVL YYMIFVIGFA  VNIVVVS LFC CQKGPKKVSS IYIFNLALAD LLLLATLPLW ATYYSYRYDW LFGPVMCKVF  GSFLTLMFA SIFFITCMSV DRYQSVIYPF LSQRRNPWQA SYVVPLVWCM ACLSSLPTFY  FRDVRTIEYL GVNACIMAFP PEKYAQWSAG IALMKNILGF IIPLIATC YFGIRKHLK  TNSYGKNRIT RDQVLKMAAA VVLAFIICWL PFHVL TFLDA LTWMGIINSC EVIAVIDLAL  PFAILLGFTN SCVNPFLYCF VGNRFQQKLR SVFRVPITWL QGKRETMSCR KGSSLREMDT FVS</p> <p><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></p>
Characteristics:	Key Benefits:

## Product Details

- 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, Western Blot

Grade: custom-made

## Target Details

Target: Angiotensin II Type 2 Receptor (AGTR2)

Alternative Name: Agtr2 ([AGTR2 Products](#))

Background: Type-2 angiotensin II receptor (Angiotensin II type-2 receptor) (AT2 receptor),FUNCTION: Receptor for angiotensin II, a vasoconstricting peptide (PubMed:8726696). Signals primarily via a non-canonical G-protein- and beta-arrestin independent pathways (By similarity). Cooperates with MTUS1 to inhibit ERK2 activation and cell proliferation (PubMed:15539617). {ECO:0000250|UniProtKB:P50052, ECO:0000269|PubMed:15539617, ECO:0000269|PubMed:8726696}.

Molecular Weight: 41.4 kDa

UniProt: [P35374](#)

Pathways: [ACE Inhibitor Pathway](#), [Hormone Transport](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

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

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