

PRODUCT INFORMATION

Tag C-Flag Tag AGTR2 **Target**

Synonyms AT2, ATGR2, MRX88

Human AGTR2 full length protein-synthetic **Description**

nanodisc **Delivery** 6~8weeks **Uniprot ID** P50052 **Expression Host HEK293**

Formulation & Reconstitution

Storage & Shipping

Background

Protein Families GPCR, Transmembrane, Druggable Genome,

ACE-Inhibitor pathway PharmGKB,GPCRDB Class

A Rhodopsin-like,Peptide GPCRs,Apoptosis,Cancer,Endothelial Cell **Protein Pathways**

Biology, G-Protein Coupled Receptors Signaling

Pathway,

The human full length AGTR2 protein has a MW of **Molecular Weight**

41.2kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions. Do not use solvents with a pH below 6.5 or those containing high

concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene belongs to the G-protein coupled receptor 1 family, and functions as a receptor for angiotensin II. It is an intergral membrane protein that is highly expressed in fetus and in neonates, but scantily in adult tissues, except brain, adrenal medulla, and atretic ovary. This receptor has been shown to mediate programmed cell death and this apoptotic function may play an important role in developmental biology and pathophysiology. Mutations in this gene are been associated with X-linked cognitive disability. Severe Acute

Respiratory Syndrome Coronavirus (SARS-CoV) and SARS-CoV-2 infection results in downregulation of angiotensin converting enzyme-2 (ACE2) receptors, the effects of which, triggers serious inflammatory lesions in the tissues involved, primarily in the lungs. The inflammatory reaction appears to be mediated by angiotensin II

derivatives, including the angiotensin AT2 receptor which has been found to be upregulated

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in bronchoalveolar lavage samples from Coronavirus disease 2019 (COVID19) patients. [provided by RefSeq, Jul 2020]

Usage Research use only Conjugate Unconjugated

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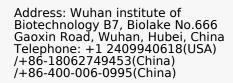


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