

## **PRODUCT INFORMATION**

Tag C-Flag&Strep Tag

AGTR2 **Target** 

**Synonyms** AT2, ATGR2, MRX88

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

nanodisc **Delivery** 6~8weeks **Uniprot ID** P50052

**Expression Host HEK293** 

**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-Strep protein has a **Molecular Weight** 

MW of 41.2 kDa

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 Formulation & Reconstitution

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 Storage & Shipping 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

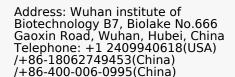
derivatives, including the angiotensin AT2 receptor which has been found to be upregulated

Email: info@dimabio.com Website: www.dimabio.com

in bronchoalveolar lavage samples from Coronavirus disease 2019 (COVID19) patients.

[provided by RefSeq, Jul 2020]

Usage Research use only Conjugate Unconjugated



**Background** 

