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Product Information

NativeExtract™ Human AGTR1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX396**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human AGTR1 protein in native nanodisc form. The synthetic compound we developed can solubilize the AGTR1 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
AGTR1

Protein Length
Full length

Molecular Weight
40.9 kDa

Sequence
Accession # P30556

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target

Target Protein

AGTR1

Full Name

Angiotensin II receptor type 1

Introduction

Angiotensin II is a potent vasopressor hormone and a primary regulator of aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. It acts through at least two types of receptors. This gene encodes the type 1 receptor which is thought to mediate the major cardiovascular effects of angiotensin II. This gene may play a role in the generation of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myocardium. It was previously thought that a related gene, denoted as AGTR1B, existed; however, it is now believed that there is only one type 1 receptor gene in humans. Alternative splicing of this gene results in multiple transcript variants.

Alternative Names

AT1; AG2S; AT1B; AT1R; AT1AR; AT1BR; AT2R1; HAT1R; AGTR1B; type-1B angiotensin II receptor; AGTR1; Angiotensin II receptor type 1

Gene ID

185

UniProt ID

P30556