Nanodisc Human MBP-AGTR1 Protein

HDFP507

Product Information

Product SKU:	HDFP507	**Expression Host**:	HEK293	**Size**:	10µg
Target:	AGTR1	**Tag**:	N-MBP Tag, C-Flag Tag		

Additional Information

Conjugate: Unconjugated **Uniprot ID:** P30556

Molecular Weight: The human full length MBP-AGTR1 protein has a MW of 81.1 kDa

Protein Information

Background: 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.

Synonyms: AG2S; AGTR1B; AT1; AT1AR; AT1B; AT1BR; AT1R; AT2R1; HAT1R

Protein Description: Human MBP-AGTR1 full length protein-synthetic nanodisc

Formulation: 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

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction, Renin-angiotensin system, Vascular smooth muscle contraction.

Protein Families: Druggable Genome, GPCR, Transmembrane.

Contact Details | Dublin, Ireland
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Usage:	Research use only
Storage & Shipping:	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.

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