

Proteoliposomes

Full-Length

AGTR1 (Human) Recombinant Protein

Catalog # H00000185-G01

Size 10 ug

Specification

Product Description	Human AGTR1 full-length ORF (AAH68494.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MILNSSTEDGKRIQDDCPKAGRHNIFVMIPTLYSIIFVVGIFGNSLVVIVFYMKLKTVASVFLLNLAL ADLCFLLTLPLWAVYTAMEYRWPFGNLYCKIASASVSFNLVASVFLLTCLSIDRYLAVHPMKSLRLR RTMLVAKVTCIIWLLAGLASLPAIIHRNVFFIENTNITVCAFHYESQNSTLPIGLGLTKNILGFLFPFLIIL TSYTLWKALKRAYEIQKNKPRNDDIFKIIAMLFFFFSWIPHQIFTFLDVLIQLGIIRDCRIADMDTAMP ITICIAFYNNCLNPLFYGFLGKKFKRYFLQLLKYPKAKSHSNLSTKMSTLSYRPSDNVSSSTKKPA PCFEVE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	41.1
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — AGTR1

Entrez GeneID	185
GeneBank Accession#	BC068494.1
Protein Accession#	AAH68494.1
Gene Name	AGTR1
Gene Alias	AG2S, AGTR1A, AGTR1B, AT1, AT1B, AT1R, AT2R1, AT2R1A, AT2R1B, HAT1R
Gene Description	angiotensin II receptor, type 1
Omim ID	106165 145500 267430
Gene Ontology	Hyperlink
Gene Summary	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. At least five transcript variants have been described for this gene. Additional variants have been described but their full-length nature has not been determined. The entire coding sequence is contained in the terminal exon and is present in all transcript variants. [provided by RefSeq]
Other Designations	angiotensin receptor 1 angiotensin receptor 1B type-1B angiotensin II receptor

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)
- [Renin-angiotensin system](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Abortion](#)

- [Acute Disease](#)
- [Aggressive Periodontitis](#)
- [Albuminuria](#)
- [Alcoholism](#)
- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Aortic Aneurysm](#)
- [Arrhythmias](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Body Weight](#)
- [Brain Infarction](#)
- [Brain Injuries](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiac Output](#)
- [Cardiomyopathies](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)

- [Cerebral Arterial Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Cicatrix](#)
- [Cognition Disorders](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Convalescence](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Cough](#)
- [Death](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Emergencies](#)
- [Esophageal and Gastric Varices](#)
- [Fatty Liver](#)
- [Fetal Death](#)
- [Fetal Membranes](#)
- [Fibromuscular Dysplasia](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Glomerulonephritis](#)
- [Glomerulosclerosis](#)
- [Glucose Intolerance](#)
- [Heart Defects](#)
- [Heart Diseases](#)
- [Heart Failure](#)
- [Hemolytic-Uremic Syndrome](#)

- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hernia](#)
- [Hypercholesterolemia](#)
- [Hyperhomocysteinemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type I](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypoglycemia](#)
- [Hypotension](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Liver Cirrhosis](#)
- [Long QT syndrome](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Meningococcal Infections](#)
- [Mental Disorders](#)
- [Mental Status Schedule](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)

- [Migraine Disorders](#)
- [Mitral Valve Prolapse](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Nephritis](#)
- [Nephrotic Syndrome](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Otosclerosis](#)
- [Panic Disorder](#)
- [Polycystic Kidney](#)
- [Polycystic kidney disease](#)
- [Polycystic Kidney Diseases](#)
- [Polycythemia](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Proteinuria](#)
- [Psychiatric Status Rating Scales](#)

- [Puberty](#)
- [Pulmonary Edema](#)
- [Purpura](#)
- [Recurrence](#)
- [Renal Artery Obstruction](#)
- [Renal Insufficiency](#)
- [Retinal Artery Occlusion](#)
- [Retinal Diseases](#)
- [Rheumatic Heart Disease](#)
- [Sarcoidosis](#)
- [Stroke](#)
- [Subacute Sclerosing Panencephalitis](#)
- [Syncope](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tuberculosis](#)
- [Uremia](#)
- [Urinary Tract Infections](#)
- [Vascular Diseases](#)
- [Ventricular Dysfunction](#)
- [Vesico-Ureteral Reflux](#)
- [Werner syndrome](#)