

Recombinant Human AGTR2 293 Cell Lysate

Cat. No. AGTR2-8969HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for angiotensin II receptor, type 2 (AGTR2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

AGTR2 angiotensin II receptor, type 2 [Homo sapiens]

Official Symbol

AGTR2

Synonyms

AGTR2; angiotensin II receptor, type 2; angiotensin receptor 2; type-2 angiotensin II receptor; AT2; MRX88; angiotensin II type-2 receptor; ATGR2;

Gene ID

186

mRNA Refseq

NM_000686

Protein Refseq

NP_000677

MIM

300034

UniProt ID

P50052

Chromosome Location

Xq22-q23

Pathway

ACE Inhibitor Pathway, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-

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specific biosystem;

Function

G-protein coupled receptor activity; angiotensin type II receptor activity; protein binding; receptor activity; receptor antagonist activity; signal transducer activity;

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