Recombinant Human AGTR1 293 Cell Lysate

Cat. No. AGTR1-8970HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for angiotensin II receptor, type 1 (AGTR1), transcript variant 2 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	AGTR1 angiotensin II receptor, type 1 [Homo sapiens]
Official Symbol	AGTR1
Synonyms	AGTR1; angiotensin II receptor, type 1; AGTR1B, angiotensin receptor 1B; type-1 angiotensin II receptor; AG2S; AGTR1A; AT1; AT1B; AT2R1; AT2R1A; AT2R1B; HAT1R; AT1AR; AT1BR; angiotensin receptor 1; angiotensin receptor 1B; angiotensin II type-1 receptor; type-1B angiotensin II receptor; AT1R; AGTR1B;
Gene ID	185
mRNA Refseq	NM_000685
Protein Refseq	NP_000676
MIM	106165
UniProt ID	P30556
Chromosome Location	3q24
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium

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	signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem;
Function	G-protein coupled receptor activity; acetyltransferase activator activity; angiotensin type I receptor activity; angiotensin type I receptor activity; angiotensin type II receptor activity; bradykinin receptor binding; protein binding; protein heterodimerization activity; receptor activity; signal transducer activity;

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