

Recombinant Human ADORA1 293 Cell Lysate

Cat. No. ADORA1-9006HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for adenosine A1 receptor (ADORA1), 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 [ADORA1 adenosine A1 receptor \[Homo sapiens \]](#)

Official Symbol ADORA1

Synonyms ADORA1; adenosine A1 receptor; adenosine receptor A1; RDC7;

Gene ID [134](#)

mRNA Refseq [NM_000674](#)

Protein Refseq [NP_000665](#)

MIM [102775](#)

UniProt ID [P30542](#)

Chromosome Location 1q32.1

Pathway Adenosine P1 receptors, 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; Morphine addiction, organism-specific biosystem;

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Function

G-protein beta/gamma-subunit complex binding; G-protein coupled adenosine receptor activity; G-protein coupled receptor binding; heterotrimeric G-protein binding; phospholipase C activity; protein binding; protein heterodimerization activity; purine nucleoside binding; receptor activity; signal transducer activity;

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