

Recombinant Human AQP9 293 Cell Lysate

Cat. No. AQP9-8765HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for aquaporin 9 (AQP9) 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [AQP9 aquaporin 9 \[Homo sapiens \]](#)

Official Symbol AQP9

Synonyms AQP9; aquaporin 9; aquaporin-9; HsT17287; SSC1; aquaglyceroporin-9; small solute channel 1; AQP-9;

Gene ID [366](#)

mRNA Refseq [NM_020980](#)

Protein Refseq [NP_066190](#)

MIM [602914](#)

UniProt ID [O43315](#)

Chromosome Location 15q

Pathway Aquaporin-mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Passive Transport by Aquaporins, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of Glycerol from Adipocytes to the Liver by Aquaporins, organism-specific biosystem;

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Function

amine transmembrane transporter activity; carboxylic acid transmembrane transporter activity; glycerol channel activity; polyol transmembrane transporter activity; porin activity; purine base transmembrane transporter activity; pyrimidine base transmembrane transporter activity; transporter activity; water channel activity; water transmembrane transporter activity;

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