

Recombinant Human AQP3 293 Cell Lysate

Cat. No. AQP3-8767HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for aquaporin 3 (Gill blood group) (AQP3) 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

AQP3 aquaporin 3 (Gill blood group) [Homo sapiens]

Official Symbol

AQP3

Synonyms

AQP3; aquaporin 3 (Gill blood group); aquaporin 3 , aquaporin 3 (GIL blood group); aquaporin-3; GIL; Gill blood group; aquaglyceroporin-3; aquaporin 3 (GIL blood group); AQP-3;

Gene ID

360

mRNA Refseq

NM_004925

Protein Refseq

NP_004916

MIM

600170

UniProt ID

Q92482

**Chromosome
Location**

9p13

Pathway

Aquaporin-mediated transport, organism-specific biosystem; Passive Transport by Aquaporins, organism-specific biosystem; Regulation of Water Balance by Renal Aquaporins, organism-specific biosystem; Stabilization and expansion of the E-cadherin adherens junction, organism-specific biosystem; Transmembrane transport

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of small molecules, organism-specific biosystem; Vasopressin-regulated water reabsorption, organism-specific biosystem; Vasopressin-regulated water reabsorption, conserved biosystem;

Function

glycerol channel activity; transporter activity; water channel activity; water channel activity;

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