

Recombinant Human AQP7 cell lysate

Cat. No. AQP7-104HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Aquaporins/major intrinsic protein (MIP) are a family of water-selective membrane channels. Aquaporin 7 has greater sequence similarity with AQP3 and AQP9 and they may be a subfamily. Aquaporin 7 and AQP3 are at the same chromosomal location suggesting that 9p13 may be a site of an aquaporin cluster. Aquaporin 7 facilitates water, glycerol and urea transport. It may play an important role in sperm function.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	AQP7 aquaporin 7 [Homo sapiens]
Official Symbol	AQP7
Synonyms	AQP7; aquaporin 7; AQP7L; aquaporin-7; AQP9; AQPap; AQP-7; aquaporin adipose; aquaglyceroporin-7; GLYCQTL; MGC149555; MGC149556;

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Gene ID	364
mRNA Refseq	NM_001170
Protein Refseq	NP_001161
MIM	602974
UniProt ID	O14520
Chromosome Location	9p13
Pathway	Aquaporin-mediated transport, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, 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;
Function	glycerol channel activity; glycerol channel activity; transporter activity; urea channel activity; water channel activity;