

Recombinant Human AQP8

Cat. No. AQP8-26532TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Aquaporin 8 with N terminal proprietary tag; Predicted MWt 54.16 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	255 amino acids
Description	Aquaporin 8 (AQP8) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0).Aquaporin 8 mRNA is found in pancreas and colon but not other tissues.
Molecular Weight	54.160kDa inclusive of tags
Tissue specificity	Expressed only in pancreas and colon.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MCEPEFGNDKAREPSVGGRWRVSWYERFVQPCLVELLGSA LFIFIGCLSVIENGTD
 TGLLQPALAHGLALGLVIATLGNI SGGHFNPVSLAAMLIGGLNLVMLLPYWVSQLL
 GGMLGAA LAKAVSPEERFWNASGAAFVTVQEQGQVAGALVAEILT LLALAVCMG
 AINEKTKGPLAPFSIGFAVTVDILAGGPVSG GCMNPARAFGPAVVANHWNFWHIYW
 LGPLLAGLLVGLLIR CFGDGGKTRLILKAR

Sequence Similarities

Belongs to the MIP/aquaporin (TC 1.A.8) family.

GENE INFORMATION

Gene Name [AQP8 aquaporin 8 \[Homo sapiens \]](#)

Official Symbol [AQP8](#)

Synonyms AQP8; aquaporin 8; aquaporin-8;

Gene ID [343](#)

mRNA Refseq [NM_001169](#)

Protein Refseq [NP_001160](#)

MIM [603750](#)

Uniprot ID [O94778](#)

Chromosome Location 16p12

Pathway Aquaporin-mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Passive Transport by

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Aquaporins, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;

Function

transporter activity; water channel activity;

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