

Recombinant Full Length Human AQP2 Protein, GST-tagged

Cat. No. AQP2-1156HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AQP2 full-length ORF (NP_000477.1, 1 a.a. - 271 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	271 amino acids
Description	This gene encodes a water channel protein located in the kidney collecting tubule. It belongs to the MIP/aquaporin family, some members of which are clustered together on chromosome 12q13. Mutations in this gene have been linked to autosomal dominant and recessive forms of nephrogenic diabetes insipidus. [provided by RefSeq, Oct 2008]
Molecular Mass	55.2 kDa
AA Sequence	MWELRSIAFS RAVFAEFLAT LLFVFFGLGS ALNWPQALPS VLQIAMAFGL GIGTLVQALG HISGAHINPA VTVACLVGCH VSVLRAAFYV AAQLLGAVAG AALLHEITPA DIRGDLAVNA LSNSTTAGQA VTVELFTLQ LVLCIFASTD ERRGENPGTP ALSIGFSVAL GHLLGIHYTG CSMNPARSLA PAVVTGKFDD HWVFWIGPLV GAILGSLLYN YVLFPPAKSL SERLAVLKGL EPDTDWEERE VRRRQSVELH SPQSLPRGTK A
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

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Antibody Production; Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [AQP2 aquaporin 2 \(collecting duct\) \[Homo sapiens \]](#)

Official Symbol [AQP2](#)

Synonyms AQP2; aquaporin 2 (collecting duct); aquaporin-2; AQP-2; aquaporin-CD; ADH water channel; water-channel aquaporin 2; collecting duct water channel protein; water channel protein for renal collecting duct; AQP-CD; WCH-CD; MGC34501

Gene ID [359](#)

mRNA Refseq [NM_000486](#)

Protein Refseq [NP_000477](#)

MIM [107777](#)

UniProt ID [P41181](#)

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