

## Recombinant Full Length Human AQP2 Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human AQP2 full-length ORF ( NP_000477.1, 1 a.a. - 271 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	271 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	55.2 kDa
<b>AA Sequence</b>	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
<b>Applications</b>	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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