

Recombinant Human AQP2 protein, GST-tagged

Cat. No. AQP2-733H **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	Wheat Germ
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	MWELRSIAFSRAVFAEFLATLLFVFFGLGSALNWPQALPSVLQIAMAFGLGIGTLVQALGHISGAHINPAVTVACLVGCHVSVLRAAFYVAAQLLGAVAGAALLHEITPADIRGDLAVNALSNSTTAGQAVTVELFTLQLVLCIFASTDERRGENPGTPALSIGFSVALGHLLGIHYTGCSMNPARS LAPAVVTGKFDDHWVFWIGPLVGAILGSLLYNYVLFPPAKSLSERLAVLKGLEPDTDWEEREVRRRQSVELHSPQSLPRGTKA
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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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](#)

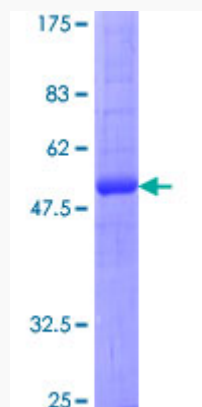
MIM [107777](#)

UniProt ID [P41181](#)

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12.5% SDS-PAGE Stained with Coomassie Blue.

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