

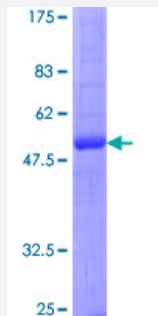
Full-Length

AQP2 (Human) Recombinant Protein (P01)

Catalog # H00000359-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AQP2 full-length ORF (NP_000477.1, 1 a.a. - 271 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWELRSIAFSRAVFAEFLATLLFVFFGLGSALNWPQALPSVLQIAMAFGLGIGTLVQALGHISGAHI
NPAVTVACLVGCHVSVLRAAFYVAAQLLGAVAGAALLHEITPADIRGDLAVNALSNSTTAGQAVTV
ELFLTLQLVLCIFASTDERRGENPGTPALSIGFSVALGHLLGIHYTGCSMNPASLAPAVVTGKFDD
HWVFWIGPLVGAILGSLLYNYVLFPPAKSLSERLAVLKGLEPDTDWEEREVRRRQSVELHSPQSL
PRGTKA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

55.2

Interspecies Antigen Sequence

Mouse (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AQP2

Entrez GeneID[359](#)**GeneBank Accession#**[NM_000486.3](#)**Protein Accession#**[NP_000477.1](#)**Gene Name**

AQP2

Gene Alias

AQP-CD, MGC34501, WCH-CD

Gene Description

aquaporin 2 (collecting duct)

Omim ID[107777 125800](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

aquaporin 2|aquaporin-CD|collecting duct water channel protein|water-channel aquaporin 2

Disease

- [Chorioamnionitis](#)

- [Diabetes Mellitus](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Tobacco Use Disorder](#)
- [Venous Thrombosis](#)