

## Aquaporin 4 (AQP4) Recombinant Protein | AQP4 recombinant protein

Recombinant Aquaporin 4 (AQP4)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA153360</b> | HOST<br><b>E coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Aquaporin 4 (AQP4); Recombinant Aquaporin 4 (AQP4); Aquaporin 4; AQP4 recombinant protein (prokaryotic); Mouse; HMIWC2; MIWC; WCH4; Mercurial-insensitive water channel; AQP4 recombinant protein

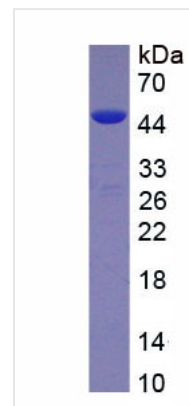
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                              |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Host                                                 | E coli                                                                                                       |
| Purity/Purification                                  | Greater than 90% by SDS-PAGE                                                                                 |
| Form/Format                                          | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.<br>Freeze-dried powder                                       |
| Sequence Positions                                   | Ser177~Ile304                                                                                                |
| Applicable Applications for AQP4 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                     |
| Expression System                                    | Prokaryotic expression                                                                                       |
| Species                                              | Mouse                                                                                                        |
| Tag                                                  | N-terminal His and GST                                                                                       |
| Endotoxin Level                                      | <1.0EU per 1ug (determined by the LAL method)                                                                |
| Isoelectric Point                                    | 6.3                                                                                                          |
| Subcellular Location                                 | Membrane                                                                                                     |
| Research Area                                        | Signal transduction                                                                                          |
| Preparation and Storage                              | Store at 2-8 degree C for one month, -80 degree C for 12 months<br>Stable for 12 months if correctly stored. |

### IMAGES

SCDS KRTDVTGSIA LAIGFSVAIG  
HLFAINYGA SMNPARSFGP AVIMGWANH WIYVGPIMG AVLALAGLEY  
VFCDVELKR RLKEAFSKAA QQTGGSYMEV EDNRSQVETE DLILKPGVVH  
VIDI

Amino Acid Info  
Amino Acid info



SDS-PAGE  
Figure. SDS-PAGE

ADDITIONAL INFORMATION

|                                                        |                      |
|--------------------------------------------------------|----------------------|
| Product Categories/Family for AQP4 recombinant protein | Prokaryotic proteins |
|--------------------------------------------------------|----------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 160415211                                                      |
| NCBI GeneID                      | 11829                                                          |
| NCBI Accession #                 | NP_033830.2                                                    |
| NCBI GenBank Nucleotide #        | NM_009700.2                                                    |
| UniProt Accession #              | P55088; P97818; Q4FJP1; Q61131; Q61132; Q8VHE4; Q8VHE5; Q9EQI3 |
| Molecular Weight                 | 34,436 Da                                                      |
| NCBI Official Full Name          | aquaporin-4                                                    |
| NCBI Official Synonym Full Names | aquaporin 4                                                    |
| NCBI Official Symbol             | Aqp4                                                           |
| NCBI Official Synonym Symbols    | WCH4                                                           |
| NCBI Protein Information         | aquaporin-4; AQP-4; mercurial-insensitive water channel        |
| UniProt Protein Name             | Aquaporin-4                                                    |
| UniProt Gene Name                | <b>Aqp4</b>                                                    |
| UniProt Synonym Gene Names       | AQP-4; MIWC                                                    |
| UniProt Entry Name               | AQP4_MOUSE                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/aqp4-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/153360>