

## AQP-3 recombinant protein

Recombinant Human AQP-3 protein (GST tag)

CATALOG #  
**AAA178164**

HOST  
**E Coli**

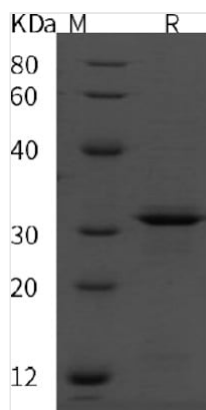
### PRODUCT SYNONYMS

AQP-3; Recombinant Human AQP-3 protein (GST tag); AQP 3; Aqp3; AQP3; Aquaglyceroporin-3; Aquaporin 3; Aquaporin-3; Aquaporin3; GIL; Gill blood group; AQP-3 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                            |
| Purity/Purification     | >95 % as determined by reducing SDS-PAGE.                                                                                                                                                                                                                         |
| Form/Format             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                             |
| Sequence                | Leu110-Ser 170                                                                                                                                                                                                                                                    |
| Species                 | Human                                                                                                                                                                                                                                                             |
| Tag                     | N-GST                                                                                                                                                                                                                                                             |
| Reconstitution          | The lab recommends that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex.<br>It is recommended that sterile water be added to the vial to prepare a stock solution of 1mg/mL.<br>Concentration is measured by UV-Vis. |
| Preparation and Storage | Lyophilized protein should be stored at < -20°C. Reconstituted protein solution can be stored at 4-7°C for 2-7 days.<br>Aliquots of reconstituted samples are stable at < -20°C for 3 months.                                                                     |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for AQP-3 recombinant protein | Water channel required to promote glycerol permeability and water transport across cell membranes.Acts as a glycerol transporter in skin and plays an important role in regulating SC (stratum corneum) and epidermal glycerol content. Involved in skin hydration, wound healing, and tumorigenesis. Provides kidney medullary collecting duct with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient. Slightly permeable to urea and may function as a water and urea exit mechanism in antidiuresis in collecting duct cells. It may play an important role in gastrointestinal tract water transport and in glycerol metabolism. |
| Product Categories/Family for AQP-3 recombinant protein   | Cancer; Metabolism; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 4826645                                                        |
| NCBI GeneID                      | 360                                                            |
| NCBI Accession #                 | NP_004916.1                                                    |
| NCBI GenBank Nucleotide #        | NM_004925.4                                                    |
| UniProt Accession #              | Q92482; O00108; Q6FGT2; Q6FGW6; A8K843; B2RE16; D3DRL3         |
| Molecular Weight                 | Mol_Mass : 31.6 kDa<br>AP_Mol_Mass : 32kDa                     |
| NCBI Official Full Name          | aquaporin-3                                                    |
| NCBI Official Synonym Full Names | aquaporin 3 (Gill blood group)                                 |
| NCBI Official Symbol             | AQP3                                                           |
| NCBI Official Synonym Symbols    | GIL; AQP-3                                                     |
| NCBI Protein Information         | aquaporin-3; aquaglyceroporin-3; aquaporin 3 (GIL blood group) |
| UniProt Protein Name             | Aquaporin-3                                                    |
| UniProt Gene Name                | AQP3                                                           |
| UniProt Synonym Gene Names       | AQP-3                                                          |
| UniProt Entry Name               | AQP3_HUMAN                                                     |

**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.

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Online datasheet: <https://stage.aaabiotech.com/aqp3-recombinant-protein-e-coli/178164>