

## Recombinant Human AQP5 Protein, His-tagged

**Cat. No.** AQP5-236H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AQP5 Protein (Ser183-Arg265) with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser183-Arg265
<b>Description</b>	Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 13.3 kDa Accurate Molecular Mass: 15 kDa
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

AQP5 aquaporin 5 [ Homo sapiens (human) ]

**Official Symbol**

AQP5

**Synonyms**

AQP5; aquaporin 5; aquaporin-5; AQP-5

**Gene ID**

362

**mRNA Refseq**

NM\_001651

**Protein Refseq**

NP\_001642

**MIM**

600442

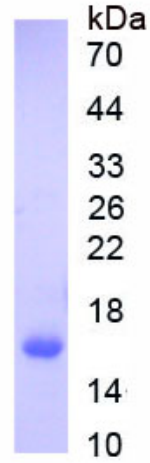
**UniProt ID**

P55064

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