

Recombinant Human AQP8 protein, His & GST-tagged

Cat. No. AQP8-8246H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AQP8 aa. (Lys129~Trp228 (Accession # O94778)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys129~Trp228
Description	Aquaporin 8 (AQP8) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 8 mRNA is found in pancreas and colon but not other tissues.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.3kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

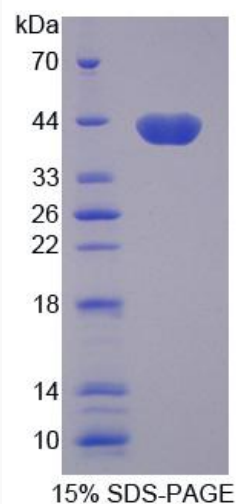
Gene Name	AQP8 aquaporin 8 [Homo sapiens (human)]
Official Symbol	AQP8
Synonyms	AQP8; aquaporin 8; AQP-8; aquaporin-8
Gene ID	343
mRNA Refseq	NM_001169.2
Protein Refseq	NP_001160.2
UniProt ID	O94778

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SDS-PAGE



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