

Recombinant Mouse Aqp5 Protein, His&GST-tagged

Cat. No. Aqp5-237M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aqp5 Protein (Ser183-His265) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser183-His265
Description	Predicted to enable identical protein binding activity and water channel activity. Acts upstream of or within camera-type eye morphogenesis; saliva secretion; and water transport. Located in several cellular components, including apical plasma membrane; basal plasma membrane; and microvillus. Is expressed in early conceptus; lung; olfactory epithelium; oocyte; and salivary gland. Human ortholog(s) of this gene implicated in Bothnian type palmoplantar keratoderma. Orthologous to human AQP5 (aquaporin 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.5 kDa Accurate Molecular Mass: 42 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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 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	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 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 [Mus musculus (house mouse)]
Official Symbol	Aqp5
Synonyms	AQP5; aquaporin 5; aquaporin-5; AQP-5
Gene ID	11830
mRNA Refseq	NM_009701
Protein Refseq	NP_033831
UniProt ID	Q9WTY4

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