

## Recombinant Mouse Aqp5 Protein, His&GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Aqp5 Protein (Ser183-His265) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser183-His265
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 39.5 kDa Accurate Molecular Mass: 42 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<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 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Aqp5 aquaporin 5 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Aqp5</a>
<b>Synonyms</b>	AQP5; aquaporin 5; aquaporin-5; AQP-5
<b>Gene ID</b>	<a href="#">11830</a>
<b>mRNA Refseq</b>	<a href="#">NM_009701</a>
<b>Protein Refseq</b>	<a href="#">NP_033831</a>
<b>UniProt ID</b>	<a href="#">Q9WTY4</a>

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