

Recombinant Mouse Aqp3 Protein, His&GST-tagged

Cat. No. Aqp3-235M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aqp3 Protein (Asn83-Gln291) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn83-Gln291
Description	Predicted to enable channel activity; identical protein binding activity; and urea transmembrane transporter activity. Involved in glycerol transport and water transport. Acts upstream of or within cellular response to oxygen-glucose deprivation; renal water absorption; and urea transport. Located in basolateral plasma membrane and cell-cell junction. Is expressed in several structures, including alimentary system; early conceptus; genitourinary system; lateral plate mesoderm; and thymus. Used to study nephrogenic diabetes insipidus. Orthologous to human AQP3 (aquaporin 3 (Gill blood group)).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.7 kDa Accurate Molecular Mass: 53 kDa
Purity	> 90%

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	100mM NaHCO ₃ , 500mM NaCl, pH8.3, 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.

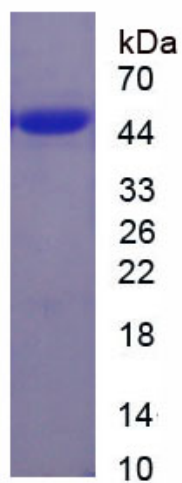
GENE INFORMATION

Gene Name	Aqp3 aquaporin 3 [Mus musculus (house mouse)]
Official Symbol	Aqp3
Synonyms	AQP3; aquaporin 3; aquaporin-3; AQP-3; aquaglyceroporin-3; AQP-2
Gene ID	11828
mRNA Refseq	NM_016689
Protein Refseq	NP_057898
UniProt ID	Q8R2N1

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