

## Recombinant Mouse AQP4 Protein (253-323 aa), His-tagged

Cat. No. AQP4-2226M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse AQP4 Protein (253-323 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
<b>Species</b>	Mouse
<b>Source</b>	Yeast
<b>ProteinLength</b>	253-323 aa
<b>Description</b>	Forms a water-specific channel. Osmoreceptor which regulates body water balance and mediates water flow within the central nervous system.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	9.9 kDa
<b>AA Sequence</b>	CPDVELKRRLKEAFSKAAQQTKGSYMEVEDNRSQVETEDLILKPGVVHVIDIDRGEE KKGKDSSGEVLSSV
<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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

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**Storage**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration**

A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name**

Aqp4 aquaporin 4 [ *Mus musculus* ]

**Official Symbol**

AQP4

**Synonyms**

AQP4; aquaporin 4; aquaporin-4; AQP-4; mercurial-insensitive water channel; WCH4;

**Gene ID**

11829

**mRNA Refseq**

NM\_009700

**Protein Refseq**

NP\_033830

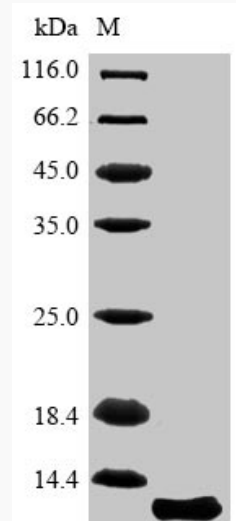
**UniProt ID**

P55088

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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