

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	Yeast
ProteinLength	253-323 aa
Description	Forms a water-specific channel. Osmoreceptor which regulates body water balance and mediates water flow within the central nervous system.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	9.9 kDa
AA Sequence	CPDVELKRRLKEAFSKAAQQTKGSYMEVEDNRSQVETEDLILKPGVVHVIDIDRGEE KKGKDSSGEVLSSV
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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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

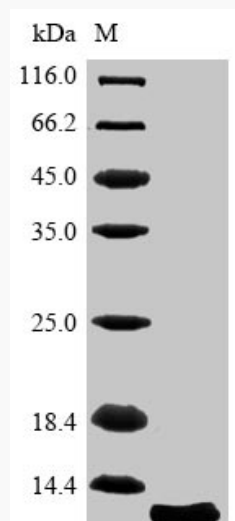
Protein Refseq NP_033830

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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