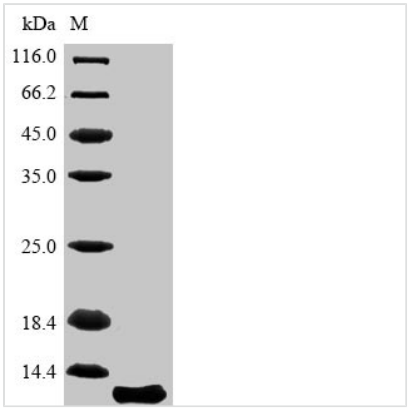
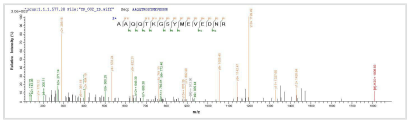
RecombinantMouseAquaporin-4 (Aqp4)?partial

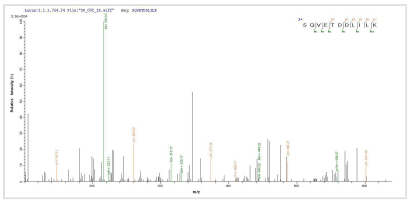
Product Code	CSB-YP001964MO1
Relevance	Forms a water-specific channel. Osmoreceptor which regulates body water balance and mediates water flow within the central nervous system.
Abbreviation	Recombinant Mouse Aqp4 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P55088
Alias	Mercurial-insensitive water channel
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	CPDVELKRRLKEAFSKAAQQTKGSYMEVEDNRSQVETEDLILKPGVVHVIDID RGEEKKGKDSSGEVLSSV
Research Area	others
Source	Yeast
Target Names	Aqp4
Protein Names	Recommended name: Aquaporin-4 Short name= AQP-4Alternative name(s): Mercurial-insensitive water channel Short name= MIWC WCH4
Expression Region	253-323aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	9.9kDa
Protein Length	Partial
Image	



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



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP001964MO1 could indicate that this peptide derived from Yeast-expressed Mus musculus (Mouse) Aqp4.



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Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.