



Recombinant Human Aquaporin-5 (AQP5)

Product Code CSB-YPCSB-YP001965HU

Relevance

Forms a water-specific channel. Implicated in the generation of saliva, tears, and pulmonary secretions.

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. P55064

Product Type Recombinant Protein

Immunogen Species Homo sapiens (Human)

Purity ≥ 90% as determined by SDS-PAGE.

Sequence
 MKKEVCSVAFLKAVFAEFLATLIFVFFGLGSALKWPSALPTILQIALAFGLAIGTL
 AQALGPVSGGHINPAITLALLVGNQISLLRAFFYVAAQLVGAIAAGAGILYGVAPL
 NARGNLAVNALNNNTTQGMVVELILTFQLALCIFASTDSRRTSPVGSPALSI
 GLSVTLGHLVGIYFTGCSMNPARSFGPAVVMNRFSPAHWVFWVGPVIGAVLA
 AILYFYLLFPNSLSLSERVAIIKGTYPDEDWEEQREERKKTMELTTR

Research Area Transport

Source Yeast

Target Names AQP5

Protein Names Recommended name: Aquaporin-5 Short name= AQP-5

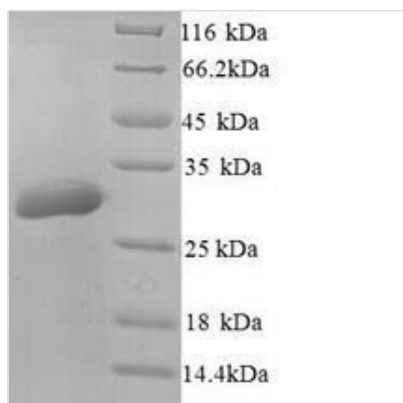
Expression Region 1-265aa

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info Tag type will be determined during the manufacturing process.

Protein Length Full Length

Image



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



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.