

Recombinant Human AQP5 protein, His-tagged

Cat. No. AQP5-0403H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AQP5 protein(190-265 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	190-265 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	FGPAVVMNRFSPAHWVFWVGPIVGAVLAAILYFYLLFPNSLSLSERVAIIKGTYPDE DWEEQREERKKTMELTTR
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term

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storage.

GENE INFORMATION

Gene Name	AQP5 aquaporin 5 [Homo sapiens]
Official Symbol	AQP5
Synonyms	AQP5; aquaporin 5; aquaporin-5; AQP-5;
Gene ID	362
mRNA Refseq	NM_001651
Protein Refseq	NP_001642
MIM	600442
UniProt ID	P55064

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