

Recombinant Human AQP4 protein, His-tagged

Cat. No. AQP4-3447H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AQP4 protein(208-323 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	208-323 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	TGASMNPARSFGPAVIMGNWENHWIYVVGPIIGAVLAGGLYEYVFCPDVEFKRRFK EAFSkaaQQTkGSYMEVEDNRSQVETDDLILKPGVVHVIDVDRGEEKKGDQSGEV LSSV
Purity	98%, 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	AQP4 aquaporin 4 [Homo sapiens]
Official Symbol	AQP4
Synonyms	AQP4; aquaporin 4; aquaporin-4; MIWC; WCH4; aquaporin type4; mercurial-insensitive water channel; HMIWC2; MGC22454;
Gene ID	361
mRNA Refseq	NM_001650
Protein Refseq	NP_001641
MIM	600308
UniProt ID	P55087

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