

Recombinant Human AQP7, His-tagged

Cat. No. AQP7-3604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Aquaporin-7 (AQP7)
Species	Human
Source	E.Coli/Yeast
ProteinLength	342
Description	Aquaporins/major intrinsic protein (MIP) are a family of water-selective membrane channels. Aquaporin 7 has greater sequence similarity with AQP3 and AQP9 and they may be a subfamily. Aquaporin 7 and AQP3 are at the same chromosomal location suggesting that 9p13 may be a site of an aquaporin cluster. Aquaporin 7 facilitates water, glycerol and urea transport. It may play an important role in sperm function.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of AQP7 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

 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

Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	AQP7 aquaporin 7 [Homo sapiens]
Official Symbol	AQP7
Synonyms	AQP7; aquaporin 7; AQP7L; aquaporin-7; AQP9; AQPap; AQP-7; aquaporin adipose; aquaglyceroporin-7; GLYCQTL; MGC149555; MGC149556;
Gene ID	364
mRNA Refseq	NM_001170
Protein Refseq	NP_001161
MIM	602974
UniProt ID	O14520
Chromosome Location	9p13
Pathway	Aquaporin-mediated transport, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; Passive Transport by Aquaporins, organism-specific biosystem;

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Transmembrane transport of small mol

Function

glycerol channel activity; glycerol channel activity; transporter activity; urea channel activity; water channel activity;

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