Product datasheet for TP301856

Aquaporin 3 (AQP3) (NM_004925) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human aquaporin 3 (Gill blood group) (AQP3)
Species: Human
Expression Host: HEK293T
Tag: C-Myc/DDK
Predicted MW: 31.4 kDa
Concentration: >50 ug/mL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Bioactivity: In vivo treatment (PMID: 25490291)
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage: Store at -80°C.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: NP_004916
Locus ID: 360
RefSeq Size: 1882
Cytogenetics: 9p13.3
RefSeq ORF: 876
Synonyms: AQP-3; GIL
This gene encodes the water channel protein aquaporin 3. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein, also known as aquaporin 0. Aquaporin 3 is localized at the basal lateral membranes of collecting duct cells in the kidney. In addition to its water channel function, aquaporin 3 has been found to facilitate the transport of nonionic small solutes such as urea and glycerol, but to a smaller degree. It has been suggested that water channels can be functionally heterogeneous and possess water and solute permeation mechanisms. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

Protein Families: Druggable Genome, Transmembrane

Product images:

Coomassie blue staining of purified AQP3 protein (Cat# TP301856). The protein was produced from HEK293T cells transfected with AQP3 cDNA clone (Cat# [RC201856]) using MegaTran 2.0 (Cat# [TT210002]).