

Aquaporin 3 (AQP3) is a **membrane protein** that functions as a water and glycerol transporter in various tissues, including the kidney, skin, and gastrointestinal tract. It is a member of the aquaporin family of water channels, which are integral membrane proteins that facilitate the transport of water and other small molecules across cell membranes. AQP3 is regulated by various factors, including hormones, osmotic gradients, and oxidative stress, and is involved in several physiological processes, such as skin hydration, urinary concentration, and glycerol metabolism. Dysregulation of AQP3 has been associated with various pathological conditions, such as skin disorders, kidney diseases, and cancer.

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