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# Adenovirus Encoding Human Aquaporin-1

National Cancer Institute

## Source

National Cancer Institute. *Adenovirus Encoding Human Aquaporin-1*. NCI Thesaurus. Code C68932.

A replication-deficient, recombinant adenovirus encoding human aquaporin-1 with potential membrane water channel activity. Upon transfection of salivary glands, adenovirus encoding human aquaporin-1 (AdhAQP1) directs human aquaporin-1 (hAQP1) expression in the apical and basolateral plasma membranes of salivary secretory cells, which may result in increased saliva production. hAQP1, a water channel protein, is one of several highly conserved water channel proteins that mediate water permeability in cells of water-transporting tissues.