

VMO1 Protein, Human (HEK293)

Cat. No.:	HY-P77280
Synonyms:	Vitelline membrane outer layer protein 1 homolog; VMO1
Species:	Human
Source:	HEK293
Accession:	Q7Z5L0 (Q25-S202)
Gene ID:	284013
Molecular Weight:	Approximately 19.7 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Vitelline membrane outer layer protein 1 homolog (VMO1) is first characterized in the outer layer of the vitelline membrane of hen's eggs, where VMO1 is present together with lysozyme, VMO2, and ovomucin. Determination of the crystal structure of VMO1 revealed that VMO1 may interact with glycosylated proteins. VMO1 is a secreted protein and exerts important functions in inner ear and tear film ^[1] .
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Caution: Product has not been fully validated for medical applications. For research use only.

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