

TMIGD1 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77248
Synonyms:	Transmembrane and immunoglobulin domain-containing protein 1; TMIGD
Species:	Human
Source:	HEK293
Accession:	Q6UXZ0 (M1-P220)
Gene ID:	388364
Molecular Weight:	Approximately 47.5 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m 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/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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	The TMIGD1 protein emerges as a potential regulator influencing diverse cellular processes, including cell-cell adhesion, migration, proliferation, and morphology. Additionally, TMIGD1 exhibits a protective role in renal epithelial cells by safeguarding them against oxidative cell injury, thereby promoting cell survival. The formation of homodimers by TMIGD1 indicates its ability to interact with itself, possibly playing a role in the modulation of its functional activities. The multifaceted nature of TMIGD1 in cellular regulation underscores its potential significance in maintaining cellular homeostasis and responding to environmental challenges. Further exploration is essential to uncover the specific molecular mechanisms through which TMIGD1 exerts its regulatory effects on cell behavior and survival.
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Caution: Product has not been fully validated for medical applications. For research use only.

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