

TMIGD1 Protein, Human (HEK293, His)

| | |
|--------------------------|---|
| Cat. No.: | HY-P77247 |
| Synonyms: | Transmembrane and immunoglobulin domain-containing protein 1; TMIGD |
| Species: | Human |
| Source: | HEK293 |
| Accession: | Q6UXZ0-1/NP_996663.1 (V30-P220) |
| Gene ID: | 388364 |
| Molecular Weight: | Approximately 37-55 kDa due to glycosylation. |

PROPERTIES

| | |
|--------------------------------|--|
| AA Sequence | <pre>V L T V N G K T E N Y I L D T T P G S Q A S L I C A V Q N H T R E E E L L W Y R E E G R V D L K S G N K I N S S S V C V S S I S E N D N G I S F T C R L G R D Q S V S V S V V L N V T F P P L L S G N D F Q T V E E G S N V K L V C N V K A N P Q A Q M M W Y K N S S L L D L E K S R H Q I Q Q T S E S F Q L S I T K V E K P D N G T Y S C I A K S S L K T E S L D F H L I V K D K T V G V P</pre> |
| Appearance | Lyophilized powder |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. |
| 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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |
| 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 | <p>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.</p> |
|-------------------|--|

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA