

TMEFF1/Tomoregulin-1 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76684
Synonyms:	TR-1; H7365; Transmembrane protein with EGF-like and one follistatin-like domain; C9orf2
Species:	Human
Source:	HEK293
Accession:	Q8IYR6 (S40-V330)
Gene ID:	100526694
Molecular Weight:	Approximately 65 kDa

PROPERTIES

AA Sequence	<p> S N Q P P G G G G G S G G D C P G G K G K S I N C S E L N V R E S D V R V C D E S S C K Y G G V C K E D G D G L K C A C Q F Q C H T N Y I P V C G S N G D T Y Q N E C F L R R A A C K H Q K E I T V I A R G P C Y S D N G S G S G E G E E E G S G A E V H R K H S K C G P C K Y K A E C D E D A E N V G C V C N I D C S G Y S F N P V C A S D G S S Y N N P C F V R E A S C I K Q E Q I D I R H L G H C T D T D D T S L L G K K D D G L Q Y R P D V K D A S D Q R E D V Y I G N H M P C P E N L N G Y C I H G K C E F I Y S T Q K A S C R C E S G Y T G Q H C E K T D F S I L Y V V P S R Q K L T H V </p>
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	The TMEFF1/Tomoregulin-1 protein is implicated in potentially inhibiting NODAL and BMP signaling during neural patterning, suggesting its role in the regulatory processes governing neural development. Furthermore, TMEFF1 is proposed to function as a tumor suppressor in brain cancers, underscoring its potential significance in mitigating abnormal cell growth in neural tissues. Additionally, the protein may interact with ST14, implying a molecular association that may
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contribute to its regulatory and signaling functions. The multifaceted roles of TMEFF1 highlight its importance in both normal developmental processes and its potential involvement in pathological conditions such as brain cancers.

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

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