

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

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

### PROPERTIES

<b>AA Sequence</b>	<pre> SNQPPGGGGG   SGGDCPPGGKG   KSINCSSELVN   RESDVRVCDE SSCKYGGVCK   EDGDGLKCAC   QFQCHTNYIP   VCGSNGDTYQ NECFLRRAAC   KHQKEITVIA   RGPCYSDNGS   GSGEGEEEGS GAEVHRKHSK   CGPCKYKAEC   DEDAENVGCV   CNIDCSGYSF NPVCASDGSS   YNNPCFVREA   SCIKQEQIDI   RHLGHCTDTD DTSLLGKKDD   GLQYRPDVKD   ASDQREDVYI   GNHMPCPENL NGYCIHGKCE   FIYSTQKASC   RCESGYTGQH   CEKTDFSILY VVPSRQKLTH   V           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	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
-------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

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