

## TM4SF2/TSPAN7 Protein, Cynomolgus (HEK293, His)

<b>Cat. No.:</b>	HY-P77495
<b>Synonyms:</b>	Tetraspanin-7; Tspan-7; CD231; Mxs1; Tm4sf2
<b>Species:</b>	Cynomolgus
<b>Source:</b>	HEK293
<b>Accession:</b>	Q4R5A3 (R113-M213)
<b>Gene ID:</b>	102127880
<b>Molecular Weight:</b>	Approximately 17-28 kDa due to the glycosylation.

### PROPERTIES

<b>AA Sequence</b>	<p>R H E I K D T F L R    T Y T D A M Q N Y N    G N D E R S R A V D    H V Q R S L S C C G</p> <p>V Q N Y T N W S T S    P Y F L D H G I P P    S C C M N E T D C N    P Q D L H N L T V A</p> <p>A T K V N Q K G C Y    D L V T S F M E T N    M</p>
<b>Biological Activity</b>	When Recombinant Cynomolgus TSPAN7 Protein is immobilized at 2 µg/mL (100 µL/well) can bind Anti-TSPAN7 Antibody. The ED <sub>50</sub> for this effect is 171.7 ng/mL.
<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 TM4SF2/TSPAN7 Protein is a pivotal member of the tetraspanin (TM4SF) family, highlighting its essential role in various cellular processes, including signal transduction, cell adhesion, and membrane organization. As part of this family, TM4SF2/TSPAN7 likely shares conserved structural and functional features with related proteins, emphasizing its involvement in the formation of tetraspanin-enriched microdomains and interactions with other cellular molecules. The classification within the tetraspanin family underscores its specific designation within the broader context of membrane proteins, providing insights into its unique contributions to cell membrane dynamics. The study of TM4SF2/TSPAN7
-------------------	--

---

contributes to our understanding of its role in diverse physiological processes, offering potential applications in cell biology, cancer research, and a deeper comprehension of its broader impact on cellular functions. Further exploration of TM4SF2/TSPAN7's role holds promise for enhancing our knowledge of its contributions to both normal physiology and pathological conditions.

---

**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