

TM4SF2/TSPAN7 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74507
Synonyms:	Tetraspanin-7; Tspan-7; CD231; Mxs1; Tm4sf2
Species:	Mouse
Source:	HEK293
Accession:	Q62283 (R113-M213)
Gene ID:	21912
Molecular Weight:	Approximately 19-30 kDa due to the glycosylation

PROPERTIES

AA Sequence	<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 S S P Y F L D H G I P P S C C M N E T D C N P L 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>
Biological Activity	When Recombinant Mouse TSPAN7 Protein is immobilized at 2 µg/mL (100 µL/well) can bind Anti-TSPAN7 Antibody, The ED ₅₀ for this effect is 64.8 ng/mL.
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	TM4SF2/TSPAN7 protein is potentially involved in both cell proliferation and cell motility. It may play a role in regulating these processes, although the exact mechanisms are still unclear. Its involvement in cell proliferation suggests that it may be important for cellular growth and division, while its role in cell motility indicates its potential contribution to movement and migration of cells. Further research is needed to fully understand the specific functions and regulatory pathways in which TM4SF2/TSPAN7 protein participates.
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Caution: Product has not been fully validated for medical applications. For research use only.

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