THSD1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77231
Synonyms:	Thrombospondin Type-1 Domain-Containing Protein 1; THSD1; TMTSP
Species:	Mouse
Source:	HEK293
Accession:	Q9JM61/NP_062522.1 (E25-N412)
Gene ID:	56229
Molecular Weight:	Approximately 60-70 kDa

PROPERTIES

AA Sequence	E Y L L L Q E P V H V A L S D R T V S V G F H Y L S D V N G T L R N V S V M L W E A N T N R T L T T K Y L L T N Q A Q G T L Q F E C F Y F K E A G D Y W F V M I P E V T D N G T Q V P L W E K S A F L K V E W P V F H I D L N R T A K A A E G T F Q V G V F T T Q P L C L F P V D K P D M L V D V I F T D R L P E A R A S L G Q P L E I R A S K R T K L T Q G Q W V E F G C A P V G V E A Y V T V M L R L L G Q D S V I A S T G P I D L A Q K F G Y K L M M A P E V T C E S V L E V M V L P P P C V F V Q G V L A V Y K E A P K R P E E R T F Q V A E N R L P L G E R R T V F N C T L F D V G K N K Y C F N F G I V K K G H F S A K E C M L I Q R N I E T W G P W Q P W S P C S T T C G D A V R E R R R L C V T S F P S R P S C S G M S S E T S P C S L E E C A V F R P P G P S P V S P Q D P V K S N N
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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	THSD1 emerges as a positive regulator in the assembly of nascent focal adhesions, exerting its influence on the modulation of endothelial cell attachment to the extracellular matrix. As a key participant in this cellular process, THSD1 forms a

complex with PTK2/FAK1, TLN1, and VCL, collectively contributing to the intricate orchestration of focal adhesion dynamics. The interaction between THSD1 and TLN1 underscores its involvement in the molecular machinery governing cell-matrix interactions, highlighting its significance in the regulation of focal adhesion formation and endothelial cell adhesion to the extracellular matrix.

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