

THSD7A Protein, Human (HEK293, His)

Cat. No.:	HY-P78044
Synonyms:	Thrombospondin type-1 domain-containing protein 7A; Gm837; KIAA0960; thrombospondin, type I, domain containing 7A
Species:	Human
Source:	HEK293
Accession:	Q9UPZ6 (A48-W1607)
Gene ID:	221981
Molecular Weight:	180-240 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 µm filtered solution in 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	THSD7A orchestrates actin cytoskeleton rearrangement, exerting its influence on cellular dynamics. Notably, its soluble form emerges as a facilitator of endothelial cell migration and filopodia formation in the context of sprouting angiogenesis, operating through a mechanism reliant on FAK (Focal Adhesion Kinase) activation. This underscores its active involvement in modulating key cellular processes associated with angiogenesis and highlights its potential as a regulator of vascular development.
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Caution: Product has not been fully validated for medical applications. For research use only.

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