

## Active Recombinant Human THSD7A Protein, His tagged

Cat. No. THSD7A-10H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human THSD7A Protein (Ala48-Trp1607) with a C-terminal 6-His tag was expressed in Human embryonic kidney cell.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	48-1607 aa
<b>Description</b>	The protein encoded by this gene is found almost exclusively in endothelial cells from placenta and umbilical cord. The encoded protein appears to interact with alpha(V)beta(3) integrin and paxillin to inhibit endothelial cell migration and tube formation. This protein may be involved in cytoskeletal organization. Variations in this gene may be associated with low bone mineral density in osteoporosis.
<b>Molecular Mass</b>	176 kDa
<b>N-terminal Sequence Analysis</b>	Ala48
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of SVEC4-10 mouse vascular endothelial cells. The ED50 for this effect is 0.1-0.6 µg/mL.
<b>Endotoxin</b>	<0.10 EU/µg of the protein by the LAL method.

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<b>Purity</b>	> 85%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Reconstitution</b>	Reconstitute at 500 µg/mL in PBS.
<b>Shipping</b>	The product is shipped at ambient temperature.
<b>Reference</b>	1. Kuo, M.W. et al. (2011) PLoS One 6: e29000. 2. Tomas, N.M. et al. (2014) N. Engl. J. Med. 371:2277. 3. Wang, C.H. et al. (2010) J. Cell Physiol. 222: 685.

## GENE INFORMATION

<b>Gene Name</b>	THSD7A thrombospondin type 1 domain containing 7A [ Homo sapiens (human) ]
<b>Official Symbol</b>	THSD7A
<b>Synonyms</b>	THSD7A; thrombospondin type 1 domain containing 7A; thrombospondin type-1 domain-containing protein 7A; thrombospondin, type I, domain containing 7A
<b>Gene ID</b>	221981
<b>mRNA Refseq</b>	NM_015204
<b>Protein Refseq</b>	NP_056019

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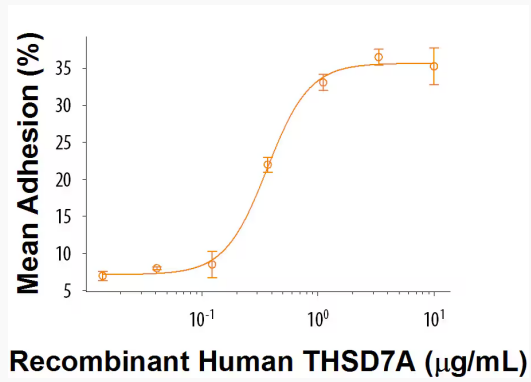
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MIM 612249

UniProt ID Q9UPZ6

Bioactivity



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