

Active Recombinant Human THSD7A Protein, His tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human THSD7A Protein (Ala48-Trp1607) with a C-terminal 6-His tag was expressed in Human embryonic kidney cell.
Species	Human
Source	HEK293
ProteinLength	48-1607 aa
Description	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.
Molecular Mass	176 kDa
N-terminal Sequence Analysis	Ala48
Bio-activity	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.
Endotoxin	<0.10 EU/µg of the protein by the LAL method.

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Purity	> 85%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature.
Reference	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

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

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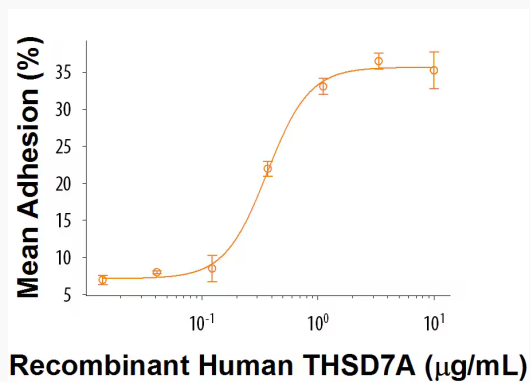
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MIM 612249

UniProt ID Q9UPZ6

Bioactivity



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