Recombinant Human THBS1

Cat. No. THBS1-31516TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 975-1170 of Human Thrombospondin with proprietary tag; 196 amino acids, 48kDa.
Species	Human
Source	E.coli
ProteinLength	975-1170 a.a.
Description	The protein encoded by this gene is a subunit of a disulfide-linked homotrimeric protein. This protein is an adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. This protein can bind to fibrinogen, fibronectin, laminin, type V collagen and integrins alpha-V/beta-1. This protein has been shown to play roles in platelet aggregation, angiogenesis, and tumorigenesis.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the thrombospondin family.Contains 3 EGF-like domains.Contains 1 TSP C-terminal (TSPC) domain.Contains 1 TSP N-terminal (TSPN) domain.Contains 3

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	TSP type-1 domains.Contains 8 TSP type-3 repeats.Contains 1 VWFC domain.

GENE INFORMATION

Gene Name	THBS1 thrombospondin 1 [Homo sapiens]
Official Symbol	THBS1
Synonyms	THBS1; thrombospondin 1; thrombospondin-1; THBS; THBS 1; thrombospondin 1p180; TSP; TSP 1; TSP1;
Gene ID	7057
mRNA Refseq	NM_003246
Protein Refseq	NP_003237
MIM	188060
Uniprot ID	P07996
Chromosome Location	15q15
Pathway	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem;
Function	calcium ion binding; collagen V binding; eukaryotic cell surface binding; fibrinogen binding; fibroblast growth factor 2 binding;

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