Natve Human Thrombospondin

Cat. No. THBS1-5524H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Natve Human Thrombospondin was purified from Human plasma.
Species	Human
Source	Human Plasma
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	Lyophilized powder
Molecular Mass	420000
Purity	≥95% by SDS-PAGE analysis
Storage	-70 C
Storage Buffer	0.02M Tris-HCl; 0.6M NaCl; 0.001M CaCl2; 20% Sucrose; pH 7.8

GENE INFORMATION

Gene Name	THBS1 thrombospondin 1 [Homo sapiens]

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Official Symbol	THBS1
Synonyms	THBS1; thrombospondin 1; thrombospondin-1; THBS; THBS 1; thrombospondin 1p180; TSP; TSP 1; TSP1; thrombospondin-1p180; TSP-1; THBS-1;
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; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
Function	calcium ion binding; collagen V binding; eukaryotic cell surface binding; fibrinogen binding; fibroblast growth factor binding; fibronectin binding; glycoprotein binding; heparin binding; identical protein binding; integrin binding; laminin binding; low-density lipoprotein particle binding; phosphatidylserine binding; protein binding; proteoglycan binding; structural molecule activity; transforming growth factor beta binding; transforming growth factor beta binding;

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