

# Recombinant Human THBS1

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 975-1170 of Human Thrombospondin with proprietary tag; 196 amino acids, 48kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	975-1170 a.a.
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequence Similarities</b>	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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	THBS1 thrombospondin 1 [ Homo sapiens ]
<b>Official Symbol</b>	THBS1
<b>Synonyms</b>	THBS1; thrombospondin 1; thrombospondin-1; THBS; THBS 1; thrombospondin 1p180; TSP; TSP 1; TSP1;
<b>Gene ID</b>	7057
<b>mRNA Refseq</b>	NM_003246
<b>Protein Refseq</b>	NP_003237
<b>MIM</b>	188060
<b>Uniprot ID</b>	P07996
<b>Chromosome Location</b>	15q15
<b>Pathway</b>	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;
<b>Function</b>	calcium ion binding; collagen V binding; eukaryotic cell surface binding; fibrinogen binding; fibroblast growth factor 2 binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA