

Recombinant Human THBS1

Cat No:HR2R2003

For research use only

Overview

Quantity	10 ?g
Gene Symbol	THBS1
Gene ID	N/A
Accession	P07996
Alternative Name	TSP, TSP1, THBS1 Recombinant Human Thrombospondin-1 (THBS1)
Species	Human
Source	Insect cells
Description	<p>TSP is an adhesive protein that can bind to many different cell types, including hematopoietic progenitor cells. It possesses a number of functional domains that serve as receptor recognizing regions. The amino-terminal heparin-binding domain interacts with heparin, other glycosaminoglycans and glycolipids and likely recognizes specific cell surface proteoglycans. The central disulfide cross-linked region is responsible for high affinity binding to one of the CD antigens, CD36 . TSP has been demonstrated to bind to integrin-alpha-V , integrin-beta-3 and integrin-alpha-2b, integrin-beta-3. The carboxy-terminal region of TSP also contains at least one binding epitope for a cell receptor. TSP can interact with fibrinogen and fibronectin. TSP appears to be involved intimately in the regulation of cellular proliferation. It is expressed as an early response gene following treatment of cells with various mitogens and cytokines. It modulates the progression of cells through the cell cycle. It augments the proliferative response to EGF. TSP inhibits endothelial cell chemotactic response to bFGF and reduces their proliferative response to serum and bFGF.</p>
Functions	Not available at this time
Formulation	Recombinant Thrombospondin-1 is presented as liquid formulation of 0.3 M NaCl, 0.02 M NaH ₂ PO ₄ pH 6.0 .
Solubility	N/A
Appearance	Liquid
Molecular Weight	140
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Dry Ice
Storage Condition	This cytokine should be stored in working aliquots at 2? - 8?C for one year. Avoid freezing.