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Datasheet for ABIN7317810

SPOCK1 Protein (AA 21-429) (His tag)

Overview

Quantity:	50 µg
Target:	SPOCK1
Protein Characteristics:	AA 21-429
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPOCK1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SPOCK1/Testican 1 Protein (aa 21-429, His Tag)
Sequence:	Met 1-Trp439
Characteristics:	A DNA sequence encoding the human SPOCK1 (Q08629) (Met 1-Trp439) was expressed with a C-terminal polyhistidine tag.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SPOCK1
Alternative Name:	SPOCK1/Testican 1 (SPOCK1 Products)
Background:	Background: Osteonectin, also known as SPOCK1, is an extracellular heparan/chondroitin

Target Details

sulfate proteoglycan. Members of this family are known as testicans, also called SPOCKs. They are characterized structurally by an N-terminal testican-specific domain, a follistatin-like region, a calcium-binding domain, a thyroglobulin-like domain, and an acidic C-terminal domain with two putative glycosaminoglycan attachment sites. SPOCKs are enriched in brain and have been shown to regulate neuronal attachment and outgrowth. They contain inhibitory regions in several domains targeted to different classes of protease, and in some cases may act as protease inhibitors. Osteonectin contains 1 Kazal-like domain and 1 thyroglobulin type-1 domain. Up to now, little is known about osteonectin's function. It may play a role in cell-cell and cell-matrix interactions. Osteonectin also may contribute to various neuronal mechanisms in the central nervous system.

Synonym: SPOCK,TESTICAN,TIC1

Molecular Weight: 48.4 kDa

UniProt: [Q08629](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.