

Recombinant Human SPOCK1 cell lysate

Cat. No. SPOCK1-001HCL Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Osteonectin / SPOCK1 (aa 21-429) derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Insect Cells
ProteinLength	21-429 a.a.
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store

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it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	SPOCK1 <i>sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1</i> [<i>Homo sapiens</i>]
Official Symbol	SPOCK1
Synonyms	SPOCK1; <i>sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1</i> ; <i>sparc/osteonectin, cwcv and kazal like domains proteoglycan (testican)</i> , SPOCK, TIC1; <i>testican-1</i> ; <i>testican 1</i> ; TIC1; SPOCK; TESTICAN; FLJ37170;
Gene ID	6695
mRNA Refseq	NM_004598
Protein Refseq	NP_004589

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MIM	602264
UniProt ID	Q08629
Chromosome Location	5q31.2
Pathway	Adipogenesis, organism-specific biosystem;
Function	calcium ion binding; cysteine-type endopeptidase inhibitor activity; metalloendopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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