RP01051

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Recombinant Human Testican-1/SPOCK1 Protein

Catalog No.: RP01051 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	6695	Q08629

Tags
C-His

Synonyms
SPOCK;TIC1;TICN1;Testican-1;SPOCK1

Product Information

Source
HEK293 cells

Purification
> 95% by SDS-PAGE.

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

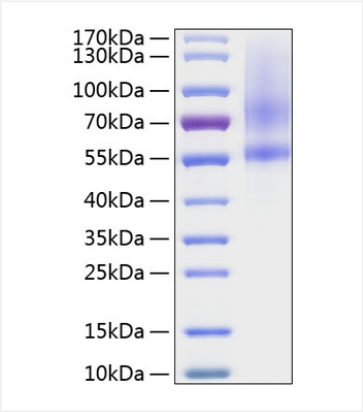
Basic Information

Description
Recombinant Human Testican-1/SPOCK1 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Arg22-Trp439) of human Testican 1/SPOCK1 (Accession #NP_004589.1.) fused with a 6×His tag at the C-terminus.

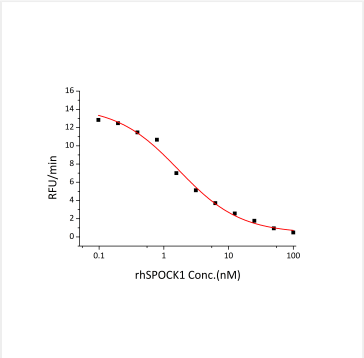
Bio-Activity
Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC50 value approximately is 1.7 nM.

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Testican-1/SPOCK1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 55-60kDa.



Recombinant human SPOCK1 inhibits active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC (Catalog#ES008). The IC50 value approximately is 1.7nM.