

RP01051

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Recombinant Human Testican-1/SPOCK1 Protein

Catalog No.: RP01051 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	6695	Q08629

Tags

C-His

Synonyms

SPOCK1;TIC1;TICN1;Testican-1;SPOCK1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined 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 vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact



www.abclonal.com

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.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

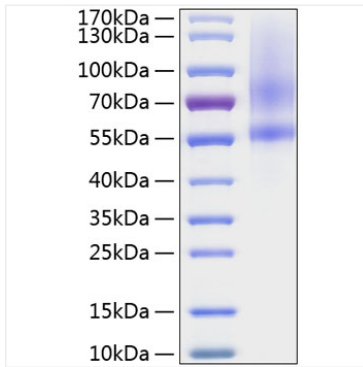
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

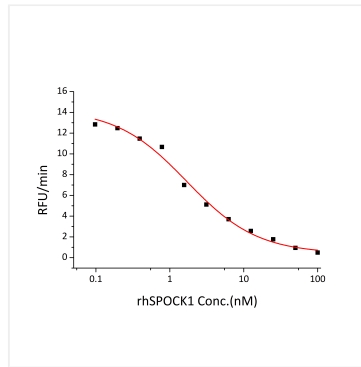
Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Human Testican-1/SPOCK1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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.