

# Mouse SPOCK3 (His Tag) recombinant protein



Catalog Number: 502939

## General Information

### Protein Construction

A DNA sequence encoding the mouse Spock3 (NP\_076178.1) (Met1-Ile436) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-Leu-Arg-AMC.  
The IC<sub>50</sub> value is < 15 nM.

### Purity

> 90 % as determined by SDS-PAGE.

### Endotoxin

<1.0 EU per µg protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ala 23

### Molecular Mass

The recombinant mouse Spock3 consists 425 amino acids and predicts a molecular mass of 48.3 kDa.

### Formulation

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

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

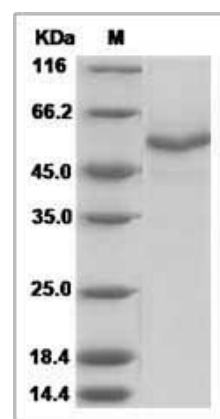
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse Testican-3 / SPOCK3 Protein (His Tag)  
SDS-PAGE