

## Testican 3/SPOCK3 Protein, Mouse (sf9, His)

Cat. No.:	HY-P76655
Synonyms:	Testican-3; Spock3; TICN3
Species:	Mouse
Source:	Sf9 insect cells
Accession:	Q8BKV0 (M1-I436)
Gene ID:	72902
Molecular Weight:	Approximately 48.3 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Testican 3/SPOCK3 protein is implicated in potentially participating in diverse steps of neurogenesis, suggesting its multifaceted role in the intricate processes of neural cell development. Additionally, it inhibits the processing of pro-matrix metalloproteinase 2 (MMP-2) by MT1-MMP and MT3-MMP, indicating a regulatory function in the modulation of MMP-2 activity. Furthermore, Testican 3/SPOCK3 may interfere with tumor invasion, as suggested by similarity with other proteins. The comprehensive functions attributed to Testican 3/SPOCK3 underscore its significance in both neurodevelopmental processes and potential involvement in the regulation of extracellular matrix dynamics related to tumor invasion.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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