



Recombinant Protein Technical Manual
Recombinant Mouse Testican-3/SPOCK3 Protein (His
Tag)
RPES3150

Product Data:

Product SKU: RPES3150

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q8BKV0

Protein Information:

Molecular Mass: 47.9 kDa

AP Molecular Mass: 58-60 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Testican-3;Spock3

Immunogen Information:

Sequence: Ala23-Ile436

Background:

Testican3, also called SPOCK3, is a secreted protein and make up a family of extracellular heparan/chondroitin sulfate proteoglycans. It contains 1 Kazal-like domain and 1 thyroglobulin type domain. Testican3 contain inhibitory regions in several domains targeted to different classes of protease, and in some cases may act as protease inhibitors. In addition to their presence in testis, testicans are enriched in brain and have been shown to regulate neuronal attachment and outgrowth. It may participate in diverse steps of neurogenesis and Inhibits the processing of pro-matrix metalloproteinase 2 (MMP-2) by MT1-MMP and MT3-MMP. It also may interfere with tumor invasion.