

**Spock3, 22-436aa, Mouse, His tag, Baculovirus**

**Cat.NO.: TP04020**

3th Edition

**Synonyms:**Testican-3, Spock3, 2900045C01Rik, AI428471, mKIAA4039

**Description:**Spock3, also known as testican-3, is a nervous system-expressed heparan sulfate proteoglycan belonging to a subgroup of the BM-40/SPARC/osteonectin family, the role of which in brain development is unclear. It inhibits the processing of pro-matrix metalloproteinase 2(MMP-2) by MT1-MMP and MT3-MMP. It is mostly confined to the developmental stage of the brain. Recombinant mouse Spock3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**47.9kDa (423aa); 40-57kDa (SDS-PAGE under reducing conditions)

**Sequences:**

AAAAVAVAGGRSDGGNFLDEKQWLTTISQYDKEVGQWNKFRDEVEDDYFRTWNP GKPFQALDPAKDPCLKTKC  
SRHKVCITQDAQTALCISHRRLTHSMKEVGGSHKQWRGLPSSTCKPCPIAYASPVCGSDGHSYSSQCKLEYQACV  
LGKQISIKCEGRCPCPSDKSMNIGRNVKRACSDLEFREVANRLRDWFKALHESGSQNKTKALLRPERSRFDTSIL  
PICKDSLGMFNRDLDTNYDLLLDQSELGSIYLDKNEQCTKAFFNSCDTYKDSLISNNEWCYCFQRQQDPPCHTELS  
NIQKRQGIKLLGQYIPLCEDDGYYKPTQCHGSVGQCWCVD RYGNVVGSRINGVADCAIDFEISGDFASGDFRE  
WTDDEGEEDDIMNDKDDIEDDDEDEGDDDDGDVHDGYILEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.