
Product Data Sheet

Product Name: SPOCK3 Mouse

Cat. No.: GP24687

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Testican-3; SPARC/osteonectin; CWCV; Kazal-like domains proteoglycan 3; Spock3.		
Amino Acid Sequence	AAAAVAVAGG RSDGGNFLDE KQWLTTISQY DKEVGQWNKF RDEVEDDYFR TWNPGKPFdq ALDPAKDPCL KTKCSRHKVC ITQDAQTALC ISHRLTHSM KEVGGSHKQW RGLPSSTCKP CPIAYASPVC GSDGHSYSSQ CKLEYQACVL GKQISIKCEG RCPCPSDKSM NIGRNVKRACSDLEFREVAN RLRDWFKALH ESGSQNKTK ALLRPERSRF DTSILPICKD SLGWMFNRLD TNYDLLLDQS ELGSIYLDKN EQCTKAFFNS CDTYKDSLIS NNEWCYCFQR QQDPPCHTEL SNIQKRQGIK KLLGQYIPLC DEDGYYKPTQ CHGSVGQCWC VDRYGNEVVG SRINGVADCAIDFEISGDFA SGDFREWTDDE EGEEDDIMND KDDIEDDED EGDDDDGDV HDGYILEHHH HHH		
Formulation	SPOCK3 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Testican-3 (Spock3) is a nervous system-expressed heparan sulfate proteoglycan belonging to a subgroup of the BM-40/SPARC/osteonectin family, whose role of in brain development is unclear. Spock3 inhibits the processing of pro-matrix metalloproteinase 2(MMP-2) by MT1-MMP and MT3-MMP. Spock3 is mostly confined to the developmental stage of the brain.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

SPOCK3 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 423 amino acids (22-436 a.a.) and having a molecular mass of 47.9kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).SPOCK3 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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