Recombinant mouse Testican 3/SPOCK3 protein

Catalog Number: ATGP3359

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
22-436aa

UniProt No.
Q8BKV0

NCBI Accession No.
NP_001239549

Alternative Names
Testican-3, Spock3, 2900045C01Rik, AI428471, mKIAA4039

PRODUCT SPECIFICATION

Molecular Weight
47.9 kDa (423aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant mouse Testican 3/SPOCK3 protein

Catalog Number: ATGP3359

expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

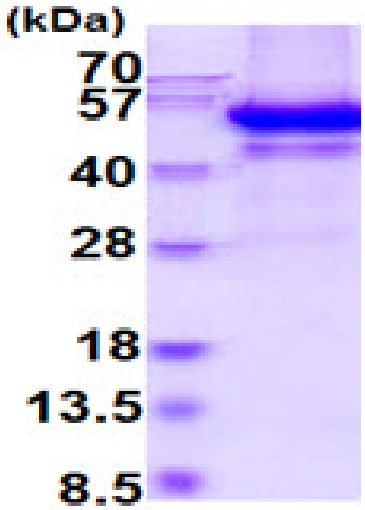
AAAAVAVAGG RSDGGNFLDE KQWLTTISQY DKEVGQWNKF RDEVEDDYFR TWNPGKPFDQ ALDPAKDPCL KTKCSRHKVC ITQDAQTALC ISHRRLTHSM KEVGGSHKQW RGLPSSTCKP CPIAYASPVC GSDGHSYSSQ CKLEYQACVL GKQISIKCEG RCPCPSDKSM NIGRNVKRAC SDLEFREVAN RLRDWFKALH ESGSQNKKTK ALLRPERSRF DTSILPICKD SLGWMFNRLD TNYDLLLDQS ELGSIYLDKN EQCTKAFFNS CDTYKDSLIS NNEWCYCFQR QQDPPCHTEL SNIQKRQGIK KLLGQYIPLC DEDGYYKPTQ CHGSVGQCWC VDRYGNEVVG SRINGVADCA IDFEISGDFA SGDFREWTDD EGEEDDIMND KDDIEDDDED EGDDDDDGDV HDGYILEHHH HHH

General References

Hartmann U., et al. (2013) J Neurochem. 125:399-409.
Yamamoto A., et al. (2014) Dev Neurosci. 36:381-395.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.