

Recombinant mouse SPARC-like 1/SPARCL1 protein

Catalog Number: ATGP3891

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

17-650aa

UniProt No.

P70663

NCBI Accession No.

NP_034227

Alternative Names

Sparcl1, Ecm2, hevin, mast9, Sc1, SPARC-like protein 1, Extracellular matrix protein 2, Matrix glycoprotein Sc1

PRODUCT SPECIFICATION

Molecular Weight

71.7 kDa (642aa)

Concentration

0.25mg/ml (determined by Bradford assay)

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

SPARC1, also known as SPARC-like protein 1, is a secreted protein with high structural similarity to SPARC. This protein as an anti-adhesive protein that is widely expressed in tissues such as brain, heart, lung, muscle and kidney, but not liver. It inhibits adhesion and spreading on a variety of substrates and is thought to cause antiadhesive signaling that terminates neuronal migration, consistent with production by glial and neuronal cells

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during development or in response to trauma. Also, it binds collagen; in mice, deletion causes dermal collagen fibrils that are smaller in diameter and deficient in decorin. Recombinant Mouse SPARCL1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

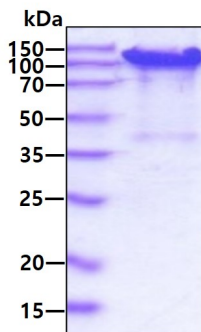
IPTSTRFLSD HSNPTTATLV TPEDATVPIA GVEATADIEN HPSDKAEKPS ALNSEEETHE QSTEQDKTYS FEVDLKDEED
 GDGDLSDVPT EGTLLDLQE GTSEPQKSL PENGDFPATV STSYVDPNQR ANITKGKESQ EQPVSDSHQQ PNESSKQTQD
 LKAEESQTQD PDIPNEEEEE EEEEEEEEE EPEDIGAPSD NQEEGKEPLE EQPTSKWEGN REQSDDTLEE SSOPTQISKT
 EKHQSEQGNQ GQESDSEAEG EDKAAGSKEH IPHTEQQDQE GKAGLEAIGN QKDTDEKAVS TEPTDAAVVP
 RSHGGAGDNG GGDDSKHGAG DDYFIPSQEF LEAERMHSL YLKYGGGEE TTTGESENRR EAADNQEAKK AESSPNAEPS
 DEGNSREHSA GSCTNFQCKR GHICKTDPQG KPHCVCDPE TCPPAKILDQ ACGTDNQTYA SSCHLFATKC RLEGTKKGHQ
 LQLDYFGACK SIPACTDFEV AQFPLMRDW LKNILMQLYE PNPKHGGYLN EKQRSKVKKI YLDEKRLLAG HPIELLLRD
 FKKNYHMYVY PVHWQFNELD QHPADRILTH SELAPLRASL VPMEHCITRF FEEDPNKDK HITLKEWGHG FGIKEEDIDE
 NLLF<LEHHHH HH>

General References

Sullivan, M. M. and E. H. Sage (2004) *Int. J. Biochem. Cell Biol.* 36:991-996.
 Brekken, R. A. et al. (2004) *J. Histochem. Cytochem.* 52:735-748.

DATA

SDS-PAGE



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