

Fascin1

Catalogue Number: 10150

Synonyms: Fascin homolog 1, actin-bundlingprotein, FSCN1, SNL, p55

Background: Fascin is an ~58 kDa monomeric actin filament bundling protein. It is required to maximally cross-link the actin filaments into straight, compact, and rigid bundles, and contributes to the formation of filopodia that are critical for cell migration. Elevated levels of fascin have been found in metastatic tumors and are correlated with clinically aggressive phenotypes, poor prognosis, and shorter survival.

Amino Acid Sequence: (1-493)

MTANGTAEAVQIQFGLINCGNKYLTAFAFGKVNASASS
LKKKQIWTLQPPDEAGSAAVCLRSHLGRYLAADKDG
VTCEREVPGPDCRFLIVAHDDGRWSLQSEAHRRYFGGTE
DRLSCFQAQTVSPA EKWSVHIAMHPQVNIYSVTRKRYAHL
SARPADEIAVDRDVPWGVDSLITLAFQDQRYSVQTADHR
FLRHDGRLVARPEPATGYTLEFRSGKVAFRDCEGRYLAP
SGPSGTLKAGKATKVGKDELFALEQSCAQVVLQAANER
NVSTRQGMDSL ANQDEETDQETFQLEIDRDTKKCAFRTH
TGKYWTLTATGGVQSTASSKNASCYFDIEWDRRITLRA
SNGKFVTSKKNQQLAASVETAGDSEFLMKLINRPIIVFR
GEHGFICRKTGTLDANRSSYDVFQLEFNDGAYNIKDS
TGKYWTVGSDSAVTSSGDTVPVDFEFCDYNKVAIKVG
GRYLKGDHAGVLKASAETVDPASWEY

Source: Human, recombinant full length, his-tag

Expression Host: E. coli

Molecular Weight: 55 kDa

Purity: >95% by SDS-PAGE

Constituents: 20mM Tris-HCl, pH8.0, 150mM NaCl.

Physical Appearance: White or clear.

Concentration: 1 mg/mL

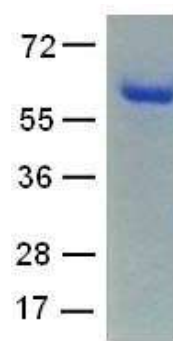
Storage: -80°C

Preparation Instructions

Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM β -

mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl β -D-maltoside (DoDM) or polyethylene detergents (e.g. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution.

The purity of GST-tagged Fascin was determined by



SDS-PAGE and Coomassie Brilliant Blue Staining.

References

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5. 1. Yamakita, Y. et al., *J. Biol. Chem.* 271: 12632-12638, 1996.
6. 2. Yamashiro-Matsumura, S. et al., *J. Biol. Chem.* 260: 5087-5097, 1985.
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