

FASCIN1 PROTEIN

Fascin1 Protein

Cat. #: 10150

Product Name: Fascin1 Protein

Synonyms: Fascin homolog 1, actin-bundling protein, FSCN1, SNL, p55

Source: Human, recombinant full length, his-tag

Expression Host Species: E. coli

Molecular Weight: 55 kDa

Purity: >95% by SDS-PAGE

Introduction: 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)

MTANGTAEAVQIQFGLINCGNKYLTAFAFGFKVNASASSLKKKQIWTLEQPPDEAGSAAVCLRSHLG
RYLAADKDGNTVCEREVPGPDCRFLIVAHDDGRWSLQSEAHRRYFGGTEDRLSCFAQTVSPAEKWSV
HIAMHPQVNIYSVTRKRYAHLARPADDEIAVDRDVPWGVDSLITLAFQDQRYSVQTADHRFLRHDGRLVA
RPEPATGYTLFRSGKVAFRDCEGRYLAPSGPSGTLKAGKATKVGKDELFALEQSCAQVVLQANERNV
STRQGMDSLANSQDEETDQETFQLEIDRDTKKCAFRTHTGKYWTLTATGGVQSTASSKNASCYFDIEWRD
RRITLRASNGKFKVTSKKNQQLAASVETAGDSEFLMKLINRPIIVFRGEHGFICRKYVTGTLNANRSDYD
VFQLEFNDGAYNIKDSTGKYWTVGSDSAVTSSGDTPVDFEFCDYNKVAIKVGGRYLKGDHAGVLKA
SAETVDPASLWEY

Properties

Physical Appearance (form): Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl.

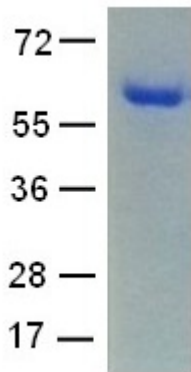
Physical Appearance (form): White or clear.

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 His6-tagged. Fascin was determined by SDS-PAGE and Coomassie Brilliant Blue Staining



References:

1. Mosialos, G. et al., *Am. J. Path.* 148: 593-600, 1996.
2. Ono, S. et al., *J. Biol. Chem.* 272: 2527-2533, 1997.
3. Pinkus, G. S. et al., *Am. J. Path.* 150: 543-562, 1997.