

Product information

TAGLN2, 13-199aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0938

Full name: Transgelin-2

NCBI Accession No.: NP_003555

Synonyms: HA1756, KIAA0120

Description: TAGLN2, also known transgelin 2, is one of the earliest markers of differentiated smooth muscle. This protein contains a calponin like repeat and a calponin-homology (CH) domain. It is downregulated in several transformed cell lines, indicating that a reduction of transgelin expression may be an early indicator of the onset of transformation. It also binds actin, causing actin fibers to gel within minutes of binding. Binding of transgelin to actin occurs at a ratio of 1:6 actin monomers. Recombinant human TAGLN2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

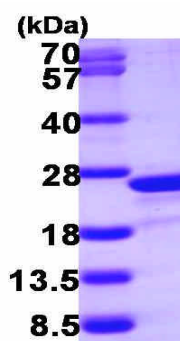
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

0.1M NaCl, 1mM DTT

Molecular Weight: 23.4 kDa (208aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MEVQQKIEKQ YDADLEQILI QWITTQCRKD VGRPQPGREN FQNLKDGTV LCELINALYP EGQAPVKKIQ
ASTMAFKQME QISQFLQAAE RYGINTTDIF QTVDLWEGKN MACVQRTLMM LGGLAVARDD GLFSGDPNWF PKKSKENPRN FSDNQLQEGK
NVIGLQMGTN RGASQAGMTG YGMPRQIL

General references:

Shapland C, *et al.* (1993). *J. Cell Biol.*, 121:1065-1073.

Kobayashi R, *et al.* (1994). *Biochem. Biophys. Res. Commun.* 198:1275-1280.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.