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32-5030: Recombinant Human Transgelin-2

Alternative Name : Transgelin-2,SM22-alpha homolog,TAGLN2,KIAA0120,HA1756.

Description

Source : Escherichia Coli. TAGLN2 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 208 amino acids (13-199 a.a.) and having a molecular mass of 23.4kDa. The TAGLN2 is purified by proprietary chromatographic techniques. Transgelin 2 (TAGLN2) is one of the earliest markers of differentiated smooth muscle. TAGLN2 contains a calponin like repeat and a calponin-homology (CH) domain. TAGLN2 is downregulated in some transformed cell lines, indicating that a reduction of transgelin expression may be an early indicator of the onset of transformation. TAGLN2 also binds actin, causing actin fibers to gel within minutes of binding. The binding of transgelin to actin occurs at a ratio of 1:6 actin monomers.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The TAGLN2 solution (1 mg/ml), 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MEVQQKIEKQ YDADLEQILI QWITTQCRKD VGRPQPGREN FQNWLKDGTV LCELINALYP EGQAPVKKIQ ASTMAFKQME QISQFLQAAE RYGINTTDIF QTVDLWEGKN MACVQRTLMN LGGLAVARDD GLFSGDPNWF PKKSKENPRN FSDNQLQEGK NVIGLQMGTN RGASQAGMTG YGMPRQIL.

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