9051 Mira Mesa Blvd, #910094
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TAGLN2 Human

Transgelin-2 Human Recombinant
RCP2318

Product Overview

Name	TAGLN2 Human
Description	
Transgelin-2 Human Recombinant	
Accession (Primary)	P37802
Synonyms	
Transgelin-2, SM22-alpha homolog, TAGLN2, KIAA0120, HA1756.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The TAGLN2 solution (1 mg/ml), 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M EVQQKIEKQ YDADLEQILI QWITTQCRKD VGRPQPGREN FQNWLKDGTV LCELINALYP EGQAPVKKIQ ASTMAFKQME QISQFLQAAE RYGINTTDIF QTVDLWEGKN MACVQRTLMN LGGLAVARDD GLFSGDPNWF PKKSKENPRN FSDNQLQEGK NVIGLQMGTN RGASQAGMTG YGMPRQIL.	
Precautions	

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TAGLN2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P37802)