9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TAGLN Human

Transgelin Human Recombinant
RCP2317

Product Overview

Name	TAGLN Human
Description	
Transgelin Human Recombinant	
Accession (Primary)	Q01995
Synonyms	
SM22, SMCC, TAGLN1, WS3-10, Transgelin, Smooth muscle protein 22-alpha, SM22-alpha, TAGLN, DKFZp686B01212, DKFZp686P11128.	
Introduction	
TAGLN is a transformation and form-change responsive actin cross-linking/gelling protein that is part of the calponin family. TAGLN is expressed abundantly in fibroblasts and smooth muscle. TAGLN participates in calcium interactions and contractile properties of the cell that contribute to replicative senescence. Throughout embryogenesis, TAGLN is expressed in smooth, cardiac and skeletal muscle, but is limited during late fetal growth and adulthood to all vascular and visceral smooth muscle cells and low levels of expression in heart. TAGLN is downregulated in several transformed cell lines, showing that a decrease of TAGLN expression is an premature indicator of the onset of transformation.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
TAGLN Human solution containing 20mM Tris-HCl pH-7.5, 1mM DTT & 20% glycerol.	
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 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MANKGPSYGM SREVQSKIEK KYDEELEERL VEWIIVQCGP DVGRPDRGRL	

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GFQVWLKNGV ILSKLVNSLY PDGSKPVKVP ENPPSMVFKQ MEQVAQFLKA AEDYGVIKTD MFQTVDLFEG KDMAAVQRTL MALGSLAVTK NDGHYRGDPN WFMKKAQEHK REFTESQLQE GKHVIGLQMG SNRGASQAGM TGYGRPRQII S.

Precautions

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

Target Information: (Q01995)