

Recombinant Human transgelin Protein, His Tagged

Cat. No. TAGLN-30925TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human transgelin protein (1-201 aa) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-201 aa
Description	This gene encodes a shape change and transformation sensitive actin-binding protein which belongs to the calponin family. It is ubiquitously expressed in vascular and visceral smooth muscle, and is an early marker of smooth muscle differentiation. The encoded protein is thought to be involved in calcium-independent smooth muscle contraction. It acts as a tumor suppressor, and the loss of its expression is an early event in cell transformation and the development of some tumors, coinciding with cellular plasticity. The encoded protein has a domain architecture consisting of an N-terminal calponin homology (CH) domain and a C-terminal calponin-like (CLIK) domain. Mice with a knockout of the orthologous gene are viable and fertile but their vascular smooth muscle cells exhibit alterations in the distribution of the actin filament and changes in cytoskeletal organization.
Molecular Mass	24 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMANKGPSYGMSREVQSKIEKKYDEELEERLVEWIIV QCGPDVGRPDRGRLGFQVWLKNGVILSKLVNSLYPDGSKPKVPENPPSMVFKQM

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EQVAQFLKAAEDYGVIKTDMFQTVDLFEGKDMAAVQRTLALGSLAVTKNDGHYRG
DPNWFMKKAQEHKREFTESQLQEGKHVIGLQMGSNRGASQAGMTGYGRPRQIIS

Endotoxin < 1 EU/μg by LAL.

Purity > 90 % by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4

Concentration 1.1 mg/mL by BCA

GENE INFORMATION

Gene Name TAGLN transgelin [Homo sapiens (human)]

Official Symbol TAGLN

Synonyms TAGLN; transgelin; DKFZp686P11128; SM22; SM22 alpha; SMCC; TAGLN1; transgelin variant 2; WS3 10; SM22-alpha; 22 kDa actin-binding protein; smooth muscle protein 22-alpha; WS3-10; DKFZp686B01212;

Gene ID 6876

mRNA Refseq NM_001001522

Protein Refseq NP_001001522

MIM 600818

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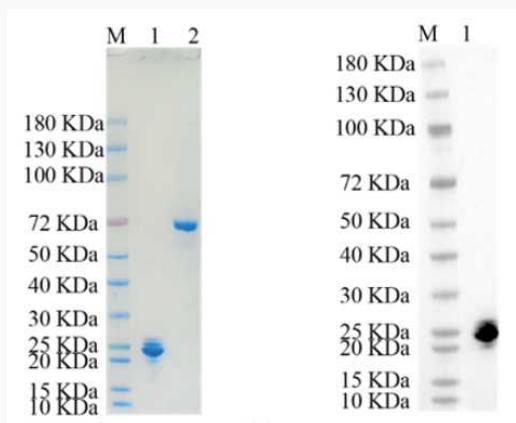
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UniProt ID

Q01995

Reducing 4 %-20 %
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
TAGLN.



1. TAGLN

2. BSA

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