

TAGLN cDNA

Catalog Number: ATGD0134

PRODUCT INFORMATION

Catalog number

ATGD0134

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001001522.1

Alternative Names

WS3-10, Transgelin, TAGLN1, Smooth muscle protein 22-alpha, SMCC, SM22 alpha, SM22

mRNA Refseq

NM_001001522

OMIM

600818

Chromosome location

11q23.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

606bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

TAGLN cDNA

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TAGLN encoded by this gene is a transformation and shape-change sensitive actin cross-linking/gelling protein found in fibroblasts and smooth muscle. Its expression is down-regulated in many cell lines, and this down-regulation may be an early and sensitive marker for the onset of transformation. A functional role of this protein is unclear. Two transcript variants encoding the same protein have been found for this gene

DATA

Sequence nucleotides

```
ATGGCCAACAAGGGTCCTTCCTATGGCATGAGCCGCGAAGTGCAGTCCAAAATCGAGAAGAAGTATGACGAGGAGCTGGA
GGAGCGGCTGGTGGAGTGGATCATAGTGCAGTGTGGCCCTGATGTGGGCCGCCAGACCGTGGGCGCTTGGGCTTCCAG
GTCTGGCTGAAGAATGGCGTGATTCTGAGCAAGCTGGTGAACAGCCTGTACCCTGATGGCTCCAAGCCGGTGAAGGTGCC
CGAGAACCCACCCTCCATGGTCTTCAAGCAGATGGAGCAGGTGGCTCAGTTCCTGAAGGCGGCTGAGGACTATGGGGTCA
TCAAGACTGACATGTTCCAGACTGTTGACCTCTTTGAAGGCAAAGACATGGCAGCAGTGCAGAGGACCCTGATGGCTTTGG
GCAGCTTGGCAGTGACCAAGAATGATGGGCACTACCGTGGAGATCCCAACTGGTTTATGAAGAAAGCGCAGGAGCATAAG
AGGGAATTCACAGAGAGCCAGCTGCAGGAGGGAAAGCATGTCATTGGCCTTCAGATGGGCAGCAACAGAGGGGCCTCCCA
GGCCGGCATGACAGGCTACGGACGACCTCGGCAGATCATCAGTTAG
```

Transaction Sequence

```
MANKGPSYGM SREVQSKIEK KYDEELEERL VEWIIVQCGP DVGRPDRGRL GFQVWLKNGV ILSKLVNSLY PDGSKPVKVP
ENPPSMVFKQ MEQVAQLKA AEDYGVIKTD MFQTVDLFEG KDMAAVQRTL MALGSLAVTK NDGHYRGDPN
WFMKKAQEHK REFTESQLQE GKHVIGLQMG SNRGASQAGM TGYGRPRQII S
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