

## TAGLN cDNA

Catalog Number: ATGD0134

### PRODUCT INFORMATION

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**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

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**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 MEQVAQFLKA AEDYGVIKTD MFQTVDLFEG KDMAAVQRTL MALGSLAVTK NDGHYRGDPN
WFMKKAQEHK REFTESQLQE GKHVIGLQMG SNRGASQAGM TGYGRPRQII S
```