

## Product datasheet for **SC334401**

### TAGLN2 (NM\_001277223) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAGLN2 (NM_001277223) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAGLN2
Synonyms:	HA1756
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001277223, the custom clone sequence may differ by one or more nucleotides

```
ATGGCCAACAGGGGACCTGCATATGGCCTGAGCCGGGAGGTGCAGCAGAAGATTGAGAAACAATATGATG
CAGATCTGGAGCAGATCCTGATCCAGTGGATCACCCAGTGCCGAAAGGATGTGGGCCGCCCCAGCC
TGGACGCGAGAACTTCCAGAAGTGGCTCAAGGATGGCAGCGTGTATGTGAGCTCATTAATGCACCTGTAC
CCCAGGGGCGAGGCCAGTAAAGAAGATCCAGGCCTCCACCATGGCCTTCAAGCAGATGGAGCAGATCT
CTCAGTTCCTGCAAGCAGCTGAGCGCTATGGCATTAAACCCACTGACATCTTCCAACTGTGGACCTCTG
GGAAGGAAAGAACATGGCCTGTGTGCAGCGGACGCTGATGAATCTGGGTGGGCTGGCAGTAGCCCGAGAT
GATGGGCTCTTCTGGGGATCCCAACTGGTTCCTAAGAAATCCAAGGAGAATCCTCGGAACCTTCTCGG
ATAACCAGCTGCAAGAGGGCAAGAACGTGATCGGGTTACAGATGGGCACCAACCGCGGGGCTCTCAGGC
AGGCATGACTGGCTACGGGATGCCACGCCAGATCCTCTGA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001277223
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001277223.1](#), [NP\\_001264152.1](#)

**RefSeq Size:** 1384 bp

**RefSeq ORF:** 600 bp

**Locus ID:** 8407

**UniProt ID:** [P37802](#)

**Cytogenetics:** 1q23.2

**Gene Summary:** The protein encoded by this gene is similar to the protein transgelin, which is one of the earliest markers of differentiated smooth muscle. The specific function of this protein has not yet been determined, although it is thought to be a tumor suppressor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2013]

Transcript Variant: This variant (3) uses an alternate first exon and begins translation at a downstream AUG compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b).