

Product datasheet for **RG236507**

TAGLN2 (NM_001277223) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAGLN2 (NM_001277223) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TAGLN2
Synonyms: HA1756
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236507 representing NM_001277223.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAACAGGGGACCTGCATATGGCCTGAGCCGGGAGGTGCAGCAGAAGATTGAGAAACAATATGAT
GCAGATCTGGAGCAGATCCTGATCCAGTGGATCACCACCCAGTCCGAAAGGATGTGGCCGGCCCCAG
CCTGGACGCGAGAACTTCCAGAACTGGCTCAAGGATGGCAGCGTCTATGTGAGCTCATTAAATGCACTG
TACCCCGAGGGGAGGCCCCAGTAAAGAAGATCCAGGCCCTCCACCATGGCCTTCAAGCAGATGGAGCAG
ATCTCTCAGTTCCTGCAAGCAGCTGAGCGCTATGGCATTAAACCCACTGACATCTTCCAACTGTGGAC
CTCTGGGAAGAAAGAACATGGCCTGTGTGCAGCGGACGCTGATGAATCTGGGTGGGCTGGCAGTAGCC
CGAGATGATGGGCTCTTCTCTGGGGATCCCAACTGGTTCCTAAGAAATCCAAGGAGAATCCTCGGAAC
TTCTCGGATAACCAAGCTGCAAGAGGGCAAGAACGTGATCGGGTTACAGATGGGCACCAACCCGGGGCG
TCTCAGGCAGGCATGACTGGCTACGGGATGCCACGCCAGATCCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236507
Blue=ORF Red=Cloning site Green=Tag(s)

```
MANRGPAYGLSREYVQKIEKQYDADLEQILIQWITTQCRKDVGRPQPGRENFQNLKDGTVLCELINAL
YPEGQAPVKIKASTMAFKQMEQISQFLQAAERYGINTTDIFQTVDLWEGKNMACVQRTLMNLGGLAVA
RDDGLFSGDPNWFPKSKENPRNFSDNQLQEGKNVIGLQMGNTNRGASQAGMTGYGMPRQIL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERY
```

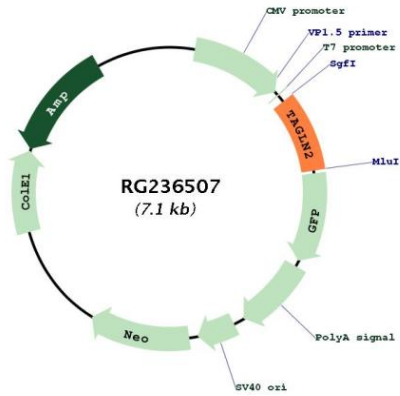
Restriction Sites: SgfI-MluI



Cloning Scheme:


- ACCN:** NM_001277223
- ORF Size:** 597 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- 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).
- RefSeq:** [NM_001277223.2](#)
- RefSeq Size:** 1384 bp
- RefSeq ORF:** 600 bp
- Locus ID:** 8407
- UniProt ID:** [P37802](#)
- Cytogenetics:** 1q23.2
- MW:** 22.8 kDa
- 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]

Product images:



Circular map for RG236507