

Product datasheet for **RG236667**

TAGLN2 (NM_001277224) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAGLN2 (NM_001277224) 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:	>RG236667 representing NM_001277224. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCGCCTTTTCTTTGGCTTTGGCTTTGGTGTAGCTCCCCGAGCCACCGCCACCCATTGGAATGGCC
AACAGGGGACCTGCATATGGCCTGAGCCGGGAGGTGCAGCAGAAGATTGAGAAACAATATGATGCAGAT
CTGGAGCAGATCCTGATCCAGTGGATCACCACCCAGTGCCGAAAGGATGTGGCCGGCCCCAGCCTGGA
CGCGAGAACTCCAGAACTGGCTCAAGGATGGCACGGTGTATGTGAGCTCATTAAATGACTGTACCCC
GAGGGGCAGGCCCCAGTAAAGAAGATCCAGGCCCTCCACCATGGCCTTCAAGCAGATGGAGCAGATCTCT
CAGTTCCTGCAAGCAGCTGAGCGCTATGGCATTAAACCACTGACATCTTCCAACTGTGGACCTCTGG
GAAGGAAAGAACATGGCCTGTGTGACGCGGACGCTGATGAATCTGGGTGGGCTGGCAGTAGCCCGAGAT
GATGGGCTCTTCTCTGGGATCCCAACTGGTTCCTAAGAAATCCAAGGAGAATCCTCGGAATCTCTCG
GATAACCACTGCAAGAGGGCAAGAAGTATCGGGTTACAGATGGGCACCAACCGCGGGCGTCTCAG
GCAGGCATGACTGGCTACGGGATGCCACGCCAGATCCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236667
 Blue=ORF Red=Cloning site Green=Tag(s)

MSAFSLALALVSSPQPPPIGMANRGPAYGLSREVQKIEKQYDADLEQILIQWITTQCRKDVGRPQPG
 RENFQNLKDGTVLCELINALYPEGQAPVKIQASTMAFKQMEQISQFLQAAERYGINTTDIFQTVDLW
 EGKNMACVQRTLNNLGLAVARDDGLFSGDPNWFPKKSKENPRNFSDNQLQEGKNVIGLQMGTNRGASQ
 AGMTGYGMPRQIL
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001277224

ORF Size: 660 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_001277224.2](#)

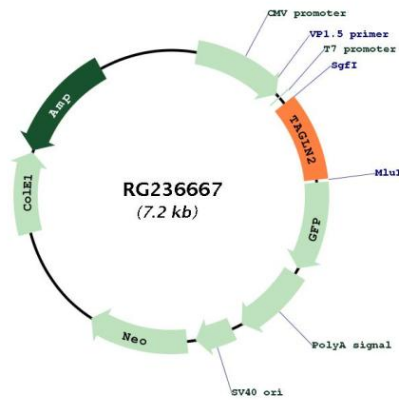
RefSeq Size: 1608 bp

RefSeq ORF: 663 bp

Locus ID: 8407
UniProt ID: [P37802](#)
Cytogenetics: 1q23.2
MW: 24.9 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 RG236667