

Product datasheet for **RC236667**

TAGLN2 (NM_001277224) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAGLN2 (NM_001277224) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TAGLN2
Synonyms: HA1756
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236667 representing NM_001277224
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGCCTTTCTTTGGCTTTGGCTTTGGTGAGCTCCCCGAGCCACCGCCACCCATTGGAATGGCCA
ACAGGGGACCTGCATATGGCCTGAGCCGGGAGGTGCAGCAGAAGATTGAGAAACAATATGATGCAGATCT
GGAGCAGATCCTGATCCAGTGGATCACCACCCAGTGCCGAAAGGATGTGGGCCGGCCCCAGCCTGGACGC
GAGAACTCCAGAACTGGCTCAAGGATGGCAGCGTGCTATGTGAGCTCATTAAATGCACTGTACCCCGAGG
GGCAGGCCCCAGTAAAGAAGATCCAGGCCTCCACCATGGCCTTCAAGCAGATGGAGCAGATCTCTCAGTT
CCTGCAAGCAGCTGAGCGCTATGGCATTAAACCACTGACATCTTCCAACTGTGGACCTCTGGGAAGGA
AAGAACATGGCCTGTGTGAGCGGACGCTGATGAATCTGGGTGGGCTGGCAGTAGCCCGAGATGATGGGC
TCTTCTCTGGGGATCCCAACTGGTTCCTAAGAAATCCAAGGAGAATCCTCGGAACCTCTCGGATAACCA
GCTGCAAGAGGGCAAGAACGTGATCGGGTTACAGATGGGCACCAACCGCGGGCGTCTCAGGCAGGCATG
ACTGGCTACGGGATGCCACGCCAGATCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236667 representing NM_001277224
 Red=Cloning site Green=Tags(s)

MSAFSLALALVSSPQPPPIGMANRGPAYGLSREVOQKIEKQYDADLEQILIQWITTQCRKDVGRPQGR
 ENFQNLKDGTVLCELINALYPEGQAPVKKIQASTMAFKQMEQISQFLQAAERYGINTTDFQTVLWEG
 KNMACVQRTLMLNLGGLAVARDDGLFSGDPNWFPPKSKENPRNFSDNQLQEGKNVIGLQMGTNRGASQAGM
 TGYGMPRQIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

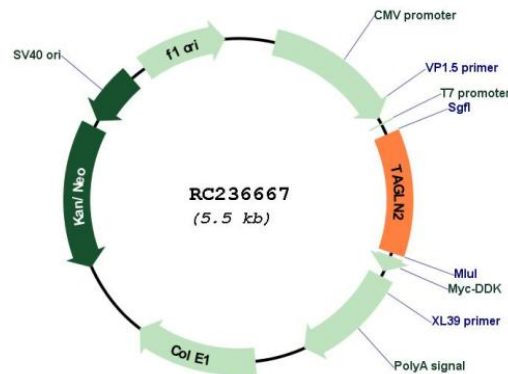
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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_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]