

Product datasheet for RC236507

TAGLN2 (NM_001277223) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAGLN2 (NM_001277223) 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: >RC236507 representing NM_001277223
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAACAGGGGACCTGCATATGGCCTGAGCCGGGAGGTGCAGCAGAAGATTGAGAAACAATATGATG
CAGATCTGGAGCAGATCCTGATCCAGTGGATCACCACCCAGTGCCGAAAGGATGTGGGCCGCCCCAGCC
TGGACCGGAGAATTCCAGAAGTGGCTCAAGGATGGCACGGTGTATGTGAGCTCATAATGCACCTGAC
CCCGAGGGGACGGCCCCAGTAAAGAAGATCCAGGCCTCCACCATGGCCTTCAAGCAGATGGAGCAGATCT
CTCAGTTCCTGCAAGCAGCTGAGCGCTATGGCATTAAACCCACTGACATCTTCCAAACTGTGGACCTCTG
GGAAGGAAAGAACATGGCCTGTGTGCAGCGGACGCTGATGAATCTGGGTGGGCTGGCAGTAGCCCGAGAT
GATGGGCTCTTCTCTGGGGATCCCAACTGGTTCCTAAGAAATCCAAGGAGAATCCTCGGAATTCTCGG
ATAACCAGCTGCAAGAGGGCAAGAACGTGATCGGGTTACAGATGGGCACCAACCGCGGGGCGTCTCAGGC
AGGCATGACTGGCTACGGGATGCCACGCCAGATCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236507 representing NM_001277223
Red=Cloning site Green=Tags(s)

MANRGPAYGLSREVQQKIEKQYDADLEQILIQWITTQCRKDVGRPQPGRENFQNLKDGTVLCELINALY
PEGQAPVKKIQASTMAFKQMEQISQFLQAERYGINTTDIFQTVDLWEGKNMACVQRRLMNLGGLAVARD
DGLFSGDPNWFPPKSKENPRNFSDNQLQEKNVIGLQMGTNRGASQAGMTGYGMPRQIL

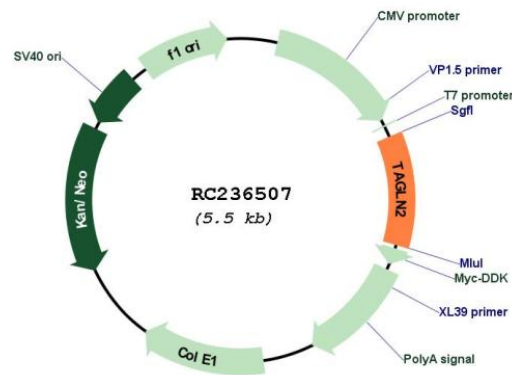
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


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).

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_001277223.2](#)

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]