

Product datasheet for **RC204424**

TAGLN3 (NM_013259) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAGLN3 (NM_013259) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TAGLN3
Synonyms: NP22; NP24; NP25
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC204424 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTAACAGGGGCCGAGCTATGGCTTAAGCCGAGAGGTGCAGGAGAAGATCGAGCAGAAGTATGATG
 CGGACCTGGAGAACAAGCTGGTGGACTGGATCATCCTGCAGTGCGCCGAGGACATAGAGCACCCGCCCC
 CGGCAGGGCCATTTTCAGAAATGGTTAATGGACGGGACGGTCTGTGCAAGCTGATAAATAGTTTATAC
 CCACCAGGACAAGAGCCCATACCAAGATCTCAGAGTCAAAGATGGCTTTAAGCAGATGGAGCAAATCT
 CCCAGTTCCTAAAAGCTGCGGAGACCTATGGTGTGAGAACCACCGACATCTTTCAGACGGTGGATCTATG
 GGAAGGGAAGGACATGGCAGCTGTGCAGAGGACCTGATGGCTTAGGCAGCGTTGCAGTACCAAGGAT
 GATGGCTGCTATCGGGGAGAGCCATCCTGGTTTACAGGAAAGCCAGCAGAATCGGAGAGGCTTTCCG
 AGGAGCAGCTTCGCCAGGGACAGAACGTAATAGGCCTGCAGATGGGCAGCAACAAGGGAGCCTCCAGGC
 GGGCATGACAGGGTACGGGATGCCAGGCAGATCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204424 protein sequence
 Red=Cloning site Green=Tags(s)

MANRGPSTYGLSREVEKIEQKYDADLENKLVDWIILQAEDIEHPPPGRAHFQKWLMDGTVLCKLINSLY
 PPGQEPKPKISESKMAFKQMEQISQFLKAAETYGVRTTDFQTVDLWEGKDMAAVQRTLMALGSAVATKD
 DGCYRGEPSWFRKAQQNRRGFSEELRQGNVIGLQMGSNKGASQAGMTGYGMPRQIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Chromatograms: https://cdn.origene.com/chromatograms/mk6305_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013259

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_013259.2](#), [NP_037391.2](#)

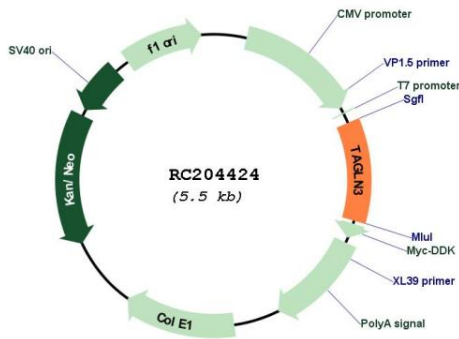
RefSeq Size: 1503 bp

RefSeq ORF: 600 bp

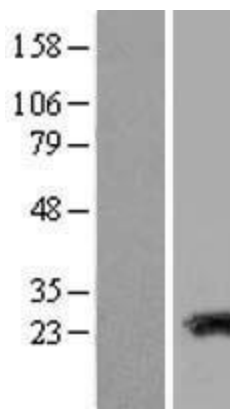
Locus ID: 29114

UniProt ID: [Q9UI15](#)
Cytogenetics: 3q13.2
Domains: calponin, CH
MW: 22.5 kDa

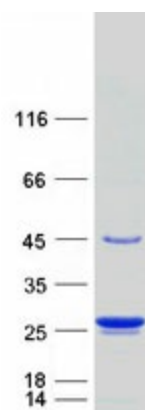
Product images:



Circular map for RC204424



Western blot validation of overexpression lysate (Cat# [LY423411]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC223474] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TAGLN3 protein (Cat# [TP304424]). The protein was produced from HEK293T cells transfected with TAGLN3 cDNA clone (Cat# RC204424) using MegaTran 2.0 (Cat# [TT210002]).