

## Product datasheet for **RG210301**

### Alpha Taxilin (TXLNA) (NM\_175852) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Alpha Taxilin (TXLNA) (NM_175852) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Alpha Taxilin
Synonyms:	IL14; TXLN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG210301 representing NM\_175852  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGAACCAAGACAAAAGAACGGGGCTGCCAAACAATCCAATCCAAAAGCAGCCAGGACAACCGG  
 AAGCAGGACCCGAGGGAGCCAGGAGCGGCCAGCCAGGCGGCTCCTGCAGTAGAAGCAGAAGGTCCCGG  
 CAGCAGCCAGGCTCCTCGGAAGCCGAGGGGGCTCAAGCCAGAACGGCTCAGTCTGGGGCCCTTCGTGAT  
 GTCTCTGAGGAGCTGAGCCGCAACTGGAAGACATACTGAGCACATACTGTGTGGACAATAACCAGGGGG  
 GCCCGGCGAGGATGGGGCACAGGGTGAAGCCGCTGAACCCGAAGATGCAGAGAAGTCCCGGACCTATGT  
 GGCAAGGAATGGGGAGCCTGAACCAACTCCAGTAGTCAATGGAGAGAAGGAACCCCAAGGGGGATCCA  
 AACACAGAAGAGATCCGGCAGAGTGACGAGGTCCGAGACCCAGACCATCGAAGGCCACAGGAGAAGAAA  
 AAGCCAAGGGTTTGGGAAGGAGATCACGTTGCTGATGCAGACATTGAATACTCTGAGTACCCAGAGGA  
 GAAGCTGGCTGCTCTGTGCAAGAAGTATGCTGAACTGCTGGAGGAGCACCAGGAAATTCACAGAAGCAGATG  
 AAGCTCCTACAGAAAAGCAGAGCCAGCTGGTGAAGAGAAGGACCACCTGTGCGGTGAGCACAGCAAGG  
 CCGTCTGGCCCGCAGCAAGCTTGAGAGCCTATGCCGTGAGCTGCAGCGGCACAACCGCTCCCTCAAGGA  
 AGAAGGTGTGCAGCGGGCCCGGAGGAGGAGGAGAAGCGCAAGGAGGTGACCTCGCACTTCCAGGTGACA  
 CTGAATGACATTCAGCTGCAGATGGAACAGCACAATGAGCGCAACTCCAAGCTGCGCCAAGAGAACATGG  
 AGCTGGCTGAGAGGCTCAAGAAGCTGATTGAGCAGTATGAGTGCAGGAGGAGCATATCGACAAAGTCTT  
 CAAACACAAGGACCTACAACAGCAGCTGGTGGATGCCAAGCTCCAGCAGGCCAGGAGATGCTAAAGGAG  
 GCAGAAGAGCGGCACCAGCGGAGAAAGGATTTTCTCCTGAAAGAGGCAGTAGAGTCCAGAGGATGTGTG  
 AGCTGATGAAGCAGCAAGAGACCCACCTGAAGCAACAGCTTGCCCTATACACAGAGAAGTTTGAGGAGTT  
 CCAGAACACACTTTCCAAAAGCAGCGAGGTATTACCACATTCAAGCAGGAGATGGAAAAGATGACTAAG  
 AAGATCAAGAAGCTGGAGAAAAGAAACCACCATGTACCGGTCCCGGTGGGAGAGCAGCAACAAGGCCCTGC  
 TTGAGATGGCTGAGGAGAAAACAGTCCGGGATAAAGAAGTGGAGGGCCTGCAGGTAAAAATCCAACGGCT  
 GGAGAAGCTGTGCCGGGCACTGCAGACAGAGCGCAATGACCTGAACAAGAGGGTACAGGACCTGAGTGT  
 GGTGGCCAGGGCTCCCTCACTGACAGTGGCCCTGAGAGGAGGCCAGAGGGGCTGGGGCTCAAGCACCCA  
 GCTCCCCAGGGTACAGAAGCGCCTTGTACCCAGGAGCACCAGCAGACAAGCATCAGGCCAGACTGG  
 GCCTCAAGAGCCACCTCCGCCAGGGCC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG210301 representing NM\_175852  
 Red=Cloning site Green=Tags(s)

MKNQDKKNGAAKQSNPKSSPGQPEAGPEGAQERPSQAAPAVEAEGPGSSQAPRKPEGAQARTAQSGALRD  
 VSEELSRQLEDILSTYCVDNQGGPGEQAQGEPAEPEDAEKSRTYVARNGEPEPTPVVNGEKEPSKGGP  
 NTEEIRQSDEVGDRDRHRRPQEKKKAKGLKEITLLMQTLNLTSTPEEKLAALCKKYAELLEHRNSQKQM  
 KLLQKKQSQLVQEKDHLCEHSAKAVLARSKLESRELRHNRSLKEEGVQRAREEEEEKRKEVTSHFQVT  
 LNDIQLQMEQHNERNSKLRQENMELAEERLKKLIEQYELREEHIDKVFHKHDLQQQLVDAKLQQAQEMLKE  
 AEERHQREKDFLLKEAVESQRMCELMKQQETHLKQQLALYTEKFEFQNTLSKSSEVFTTFKQEMKMTK  
 KIKKLEKETMYRSRWESSNKALLEMAEKTVRDKELEGLQVKIQRLKLCRALQTERNDLNKRVDLSA  
 GGQGLTDSGPERRPEPGAQAPSSPRVTEAPCYPGAPSTEASGQTGPQEPTSARA

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_175852

**ORF Size:** 1638 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\\_175852.3](#), [NP\\_787048.1](#)

**RefSeq Size:** 4843 bp

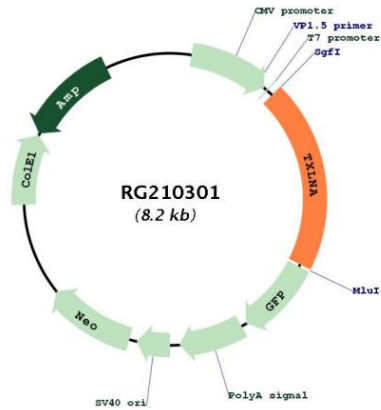
**RefSeq ORF:** 1641 bp

**Locus ID:** 200081

**UniProt ID:** [P40222](#)

**Cytogenetics:** 1p35.2  
**Protein Families:** Druggable Genome  
**Gene Summary:** May be involved in intracellular vesicle traffic and potentially in calcium-dependent exocytosis in neuroendocrine cells.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG210301