

Product datasheet for **RG210943**

Gamma taxilin (TXLNG) (NM_018360) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gamma taxilin (TXLNG) (NM_018360) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TXLNG
Synonyms:	CXorf15; ELRG; FIAT; LSR5; TXLNGX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG210943 representing NM_018360
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGACGCGGGTAGAGGAGGCAGCGCGGGGAAGAGGCGCGCGCGCAAGAGGCGACTGAGGCCGGAC
 GGGCGGACGCGGACGCAGCCCGCGCAGAAGTTTGAAATTGGCACAAATGGAAGAAGCTGGAATTTGTGG
 GCTAGGGGTGAAAGCAGATATGTTGTGTAACCTCAATCAAATGATATTCTTCAACATCAAGGCTCAAAT
 TGTGGTGGCACAAGTAACAAGCATTCAATTGGAAGAGGATGAAGGCAGTGACTTTATAACAGAGAACAGGA
 ATTTGGTGAAGCCAGCATACTGCACGCAAGAATCAAGAGAGGAAATCCCTGGGGGAGAAGCTCGAACAGA
 TCCCCCTGATGGTCAGCAAGATTCAGAGTGCAACAGGAACAAAGAAAAAACTTTAGGAAAAGAAGTTTTTA
 TACTGATGCAAGCCCTAACACCCTTTCAACCCAGAGGAGAAGCTGGCAGCTCTCTGTAAGAAATATG
 CTGATCTTCTGGAGGAGAGCAGGAGTGTTCAGAAGCAAATGAAGATCCTGCAGAAGAAGCAAGCCAGAT
 TGTGAAAGAGAAAAGTTCACTTGCAGAGTGAACATAGCAAGGCTATCTTGGCAAGAAGCAAGCTAGAATCT
 CTTTGCAGAGAATTCAGCGTCACAATAAGACGTTAAAGGAGGAAAATATGCAGCAGGCACGAGAGGAAAG
 AAGAACGACGTAAGAAGCAACTGCACATTTCCAGATTACCTTAAATGAAATCAAGCCAGCTGGAGCA
 GCATGACATCCACAACGCCAAACTCCGACAGGAAAACATTGAGCTGGGGGAGAAGCTAAAGAAGCTCATC
 GAACAGTACGCACTGAGGGAAGAGCACATTGATAAGGTGTTCAAACATAAGGAAGTGAACAGCAGCTCG
 TGGATGCCAAACTGCAGCAAACGACACAAGTATAAAAAGAAGCTGATGAAAAACATCAGAGAGAGAGAGA
 GTTTTTATTAAGAAGCGACAGAATCGAGGCACAATACGAACAATGAAACAGCAAGAAGTACAACATA
 AAACAGCAGCTTTCTCTTATATGGATAAGTTGAAGAATCCAGACTACCATGGCAAAAAGCAATGAAC
 TGTTTACAACCTTCAGACAGGAAATGAAAAGATGACAAAAGAAAATTAAAAACTGGAAAAAGAAAACAAT
 AATTTGGCGTACCAAAATGGGAAAACAATAATAAGCACTTCTGCAATGGCTGAAGAGAAAAACAGTCCGT
 GATAAAGAGTACAAGGCCCTTCAAATAAAAAGTGAACGGTTAGAGAAGCTGTGCAGGCTCTTCAGACAG
 AAAGGAATGAGCTCAATGAGAAGGTGGAAGTCTGAAAGAGCAGGTATCCATCAAAGCGCCATCAAAGC
 GGCGAACAGGGATTTAGCAACACCTGTGATGCAGCCCTGTACTGCCCTGGATTCTACAAGGAGCTGAAC
 ACTTCTCGAAAAGAGCCCTGGGAGCGCACCTGGAGGCTGAGCCCAAGAGTCAGAGAAGCGCTGTGCAAA
 AGCCCCGTCCACAGGCTCTGCTCCGGCCATCGAGTCGGTTGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG210943 representing NM_018360
 Red=Cloning site Green=Tags(s)

MATRVEEAARGRGGGAEATEAGRGRRRSPRQKFEIGTMEEAGICGLGVKADMLCNSQSNLILQHQGSN
 CGGTSNKHSLLEDEGSDFITENRNLVSPAYCTQESREEIPGGEARTDPPDGQQDSECNRNKEKTLGKEVL
 LLMQALNLTSTPEEKLAALCKKYADLLEESRSVQKQMKILQKKQAQIVKEKVHLQSEHSKAILARSKLES
 LCRELQRHNKTLKEENMQQAREEEERRKEATAHFQITLNEIQAQLEQHDIHNAKLRQENIELGEKLLKI
 EQYALREEHIDKVFHKELQQQLVDAKLQQTTLIKEADEKHQREREFLLKEATESRHKYEQMKQQEVQL
 KQQLSLYMDKFEFQTTMAKSNELFTFRQEMKMTKKIKKLEKETIIWRTKWENNNKALLQMAEEKTVR
 DKEYKALQIKLERLEKLCRALQTERNELNEKVEVLKEQVSIKAAIKAANRDLATPVMQPCTALDSHKELN
 TSSKRALGAHLEAPKSQRSVQKPPSTGSAPAIESVD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_018360
ORF Size:	1584 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_018360.3
RefSeq Size:	4418 bp
RefSeq ORF:	1587 bp
Locus ID:	55787
UniProt ID:	Q9NUQ3
Cytogenetics:	Xp22.2
Gene Summary:	This gene encodes a member of the taxilin family. The encoded protein binds to the C-terminal coiled-coil region of syntaxin family members 1A, 3A and 4A, and may play a role in intracellular vesicle trafficking. This gene is up-regulated by lipopolysaccharide and the gene product may be involved in cell cycle regulation. The related mouse protein was also shown to inhibit activating transcription factor 4-mediated transcription and thus regulate bone mass accrual. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]