

Product datasheet for **SC113570**

Gamma taxilin (TXLNG) (NM_018360) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gamma taxilin (TXLNG) (NM_018360) Human Untagged Clone
Tag:	Tag Free
Symbol:	Gamma taxilin
Synonyms:	CXorf15; ELRG; FIAT; LSR5; TXLNGX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113570 sequence for NM_018360 edited (data generated by NextGen Sequencing)

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ATGGCGACGCGGGTAGAGGAGGCAGCGCGGGGAAGAGGCGGCGGCCGAAGAGGCGACT
GAGGCCGACGGGGCGGACGGCGACGCAGCCCGCGCAGAAGTTTGAAATTGGCACAATG
GAAGAAGCTGGAATTTGTGGCTAGGGGTGAAAGCAGATATGTTGTGTAECTCTCAATCA
AATGATATTCTTCAACATCAAGGCTCAAATTTGGTGGCACAAGTAACAAGCATTCAATG
GAAGAGGATGAAGGCAGTGACTTTATAACAGAGAACAGGAATTTGGTGAGCCAGCATA
TGCACGCAAGAATCAAGAGAGGAAATCCCTGGGGGAGAAGCTCGAACAGATCCCCCTGAT
GGTCAGCAAGATTCAAGTGCAACAGGAACAAAGAAAAAACTTTAGGAAAAGAAGTTTTA
TTACTGATGCAAGCCCTAAACACCCCTTTCAACCCAGAGGAGAAGCTGGCAGCTCTCTGT
AAGAAATATGCTGATCTTCTGGAGGAGAGCAGGAGTGTTCAGAAGCAAATGAAGATCCTG
CAGAAGAAGCAAGCCAGATTGTGAAAGAGAAAGTTCACTTGCAGAGTGAACATAGCAAG
GCTATCTTGGCAAGAAGCAAGCTAGAATCTCTTGCAGAGAAGCTCAGCGTCACAATAAG
ACGTTAAAGGAGGAAAAATATGCAGCAGGCACGAGAGGAAGAAGACGACGTAAGAAGCA
ACTGCACATTTCCAGATTACCTTAAATGAAATTCAGCCAGCTGGAGCAGCATGACATC
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CAGCAGCTCGTGGATGCCAACTGCAGCAAACGACACAAGTATAAAAAGAAGCTGATGAA
AAACATCAGAGAGAGAGAGATTTTTTATAAAAAGAAGCGCAGAAATCGAGGCACAATAC
GAACAAATGAAACAGCAAGAAGTACAATAAAAACAGCAGCTTTCTCTTTATATGGATAAG
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GAAATGGAAAAGATGACAAAGAAAATTAATAAACTGGAAAAGAAACAATAATTTGGCGT
ACCAAATGGGAAAACAATAATAAGCACTTCTGCAAATGGCTGAAGAGAAAACAGTCCGT
GATAAAGAGTACAAGGCCCTTCAAATAAACTGGAACGGTTAGAGAAGCTGTGCAGCGCT
CTTCAGACAGAAAAGGAATGAGCTCAATGAGAAGGTGGAAGTCTGAAAGAGCAGGTATCC
ATCAAAGCGGCCATCAAAGCGGCGAACAGGGATTTAGCAACACCTGTGATGCAGCCCTGT
ACTGCCCTGGATTCTCACAAGGAGCTGAACACTTCTCGAAAAGAGCCCTGGGAGCGCAC
CTGGAGGCTGAGCCCAAGAGTCAGAGAAGCGCTGTGCAAAAGCCCCCGTCCACAGGCTCT
GCTCCGGCCATCGAGTCGGTTGACTAA
    
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Clone variation with respect to NM_018360.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_018360 unedited
CCCCGGCTCCNCCCNTTCCCCNCNNGGTTTCGATTTGTATACGATTCTATAGGCGGCC
GCGNATTCGGCACGAGGTACCTCATGGCGACGCGGGTAGAGGAGGCAGCGCGGGGAAGA
GGCGGCGGCGCCGAAGAGGCGACTGAGGCCGGACGGGGCGGACGGCGACGAGCCCGCG
CAGAAGTTTGAAATTTGGCACAATGGAAGAAGCTGGAATTTGTGGGCTAGGGGTGAAAGCA
GATATGTTGTGTAECTCTCAATCAAATGATATTCTTCAACATCAAGGCTCAAATTTGTT
GGCACAAGTAACAAGCATTCAATTGGAAGAGGATGAAGGCAGTGACTTTATAACAGAGAAC
AGGAATTTGCTGAGCCCAGCATACTGCACGCAAGAATCAAGAGAGGAAATCCCTGGGGGA
GAAGCTCGAACAGATCCCCCTGATGGTCAGCAAGATTCAGAGTGAACAGGAACAAGAA
AAAATTTAGGAAAAGAAGTTTTTACTGATGCAAGCCCTANACACCCTTTCAACCCCA
GAGGAGAAGCTGGCAGCTCTCTGNTAGANATATGCTGATCTTCTGGAGGAGAGCAGGAGT
GTTCAGAAGCAAATGAAGATCCTGCAGAAGAANGCAGCCAGATTGTGAAAGAGAAAGTT
CACTTGCAGAGTGAACATAGNCAGGCTATCTTGGNCAGAAGCAAGCTAGAATCTCTTTGC
AGAGAACTTCAGCGTCACAATAAGACCGTAAAGGGAGAAAATATGCAGCAGGCACGAGAG
GAAGAAGAACGACGTANAGAAGCAACTGCACATTTTCCAGATACCTTANATGAAAATCCA
GCCCAGCTGGAGCAGCATGACATTCAACACGCCAACTTCGACAGGAAACATTGAGCTGG
GGGAAAGCCTAAGAAGCTCATCGACAGTACGCACTGAGGAAGAGCCATTGATAAGGGTT
CAAATATGAACTGCACAGCCC
    
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3' Read Nucleotide Sequence:	>OriGene 3' genomic read for NM_018360 unedited GTTCNGTTAAAAACCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAACTGGGCAAACAGATT TATTCAGTCCAGTAAGCAATTTAACAAGTGTCACTGATAGTTTTGCTCAGTGGAAATGT GCTAACATCAGTTCTAGTAGAACCTTTTATTTTCATAAAGCATTTCATGCAAATTATACC AGGATCTTTTTCAAACTTCCATCAGTGCAGCCTGATTAATCATCTGCATAACTGCGCC ACATTCAACATTGAAACAAGAATAATTCAAAAGTTATGTGCTTAATTTCAAATTTTCC CCCAGTCCAAGTGTAGACCTTGATAAATACTGGGGCTTTTCTTTTTTCTTCTTAAAAAA GAGATGGTAACTAAGAAGGGGGTGAGAAAACAGACTGAACACGTAAGTAACAGATCATGA CTAACACTCTGCCAAGTCTTCCCAAAGTAAAAATGTTGGTGCCAGTGTGTTTGGAAA TGAAAATCAATTTGCGTTGGTACTGATCCATAATGAAAATTCCTTTTGAAAACCTGGA GTACTTTGCTGGTGAATTTTTGTAGTAACTTTCAAGTAGCCAGAAGGATTGGAGAAAC TTCTGCCTAGTAAAAGTGACACGTGAATTGACCGTCTTGTCTTTGACAAGGGACTTCAT TGAACGGCAAACATGAACACCAGTTTTCAAGAATAAGTGGCCTTCTATGGGAAGTGGAG AATATGTACTGAAATCCCAAATCAGAATCAAACACAAACCGCCATCTCTACGGGAGCCC CTCATGGTCCAAATCCCACACTGAAACCCAAGCAG
Restriction Sites:	NotI-NotI
ACCN:	NM_018360
Insert Size:	3000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_018360.1 , NP_060830.1
RefSeq Size:	2045 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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).