

Product datasheet for **RG229992**

Gamma taxilin (TXLNG) (NM_001168683) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gamma taxilin (TXLNG) (NM_001168683) 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)
ORF Nucleotide Sequence:	>RG229992 representing NM_001168683 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACGCGGGTAGAGGAGGCAGCGCGGGGAAGAGCGCGCGCCGAAGAGGCGACTGAGGCCGGAC
GGGGCGGACGCGCAGCGAGCCCGCGGCAGAAGCTGGAGGAGAGCAGGAGTGTTTCAAGCAAATGAAGAT
CCTGCAGAAGAAGCAAGCCAGATTGTGAAAGAGAAAGTTCACTTGCAGAGTGAACATAGCAAGGCTATC
TTGGCAAGAAGCAAGCTAGAATCTTTTGCAGAGAACTTCAGCGTCACAATAAGACGTTAAAGGAGGAAA
ATATGCAGCAGGCACGAGAGGAAGAAGAACGACGTAAGAAGCAACTGCACATTTCCAGATTACCTTAAA
TGAAATTCAGCCAGCTGGAGCAGCATGACATCCACAACGCCAAACTCCGACAGGAAAACATTGAGCTG
GGGAGAAAGCTAAAGAAGCTCATCGAACAGTACGCACTGAGGGAAGAGCACATTGATAAGGTGTTCAAAC
ATAAGGAACTGCAACAGCAGCTCGTGGATGCCAACTGCAGCAAACGACACAACATGATAAAGAAGCTGA
TGAAAAACATCAGAGAGAGAGAGTTTTTATTAAGAAGCGCAGAAATCGAGGCACAAAATACGAACAA
ATGAAACAGCAAGAAGTACAACAAAACAGCAGCTTTCTTTATATGGATAAGTTTGAAGAATTCAGA
CTACCATGGCAAAAAGCAATGAAGTGTTCACACCTTCAGACAGGAAATGGAAAAGATGACAAAAGAAAT
TAAAAACTGGAAAAGAAAACAATAATTTGGCGTACCAAAATGGGAAAACAATAATAAGCACTTCTGCAA
ATGGCTGAAGAGAAAACAGTCCGTGATAAAGAGTACAAGGCCCTTCAAATAAACTGGAACGGTTAGAGA
AGCTGTGCAGGGCTCTTCAGACAGAAAGGAATGAGCTCAATGAGAAGGTGGAAGTCTGAAAAGAGCAGGT
ATCCATCAAAGCGCCATCAAAGCGGCGAACAGGGATTTAGCAACACCTGTGATGCAGCCCTGTACTGCC
CTGGATTCTCACAAGGAGCTGAACACTTCTCGAAAAGAGCCCTGGGAGCGCACCTGGAGGCTGAGCCCA
AGAGTCAGAGAAGCGCTGTGCAAAAAGCCCCGTCCACAGGCTCTGCTCCGGCCATCGAGTCGGTTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229992 representing NM_001168683
 Red=Cloning site Green=Tags(s)

MATRVEEAARGRGGGAEATEAGRGGRRRSPRQKLEESRSVQKQMKILQKKQAQIVKEKVLQSEHSKAI
 LARSKLES LCRELQRHNKTLKEENMQQAREEEERRKEATAHFQITLNEIQAQLEQHDIHNAKLRQENIEL
 GEKLLKLEIEQYALREEHIDKVFKHKLQQLVDAKLQQTTLIKEADEKHQREREFLLKEATESRHKYEQ
 MKQQEVQLKQQLSLYMDKFEFQTTMAKSNELF TTFRQEMEMTKKIKKLEKETIIWRWKWENNNKALLQ
 MAEEKTVRDKEYKALQIKLERLEKLCRALQTERNELNEKVEVLKEQVSIKAAIKAANRDLATPVMQPCTA
 LD SHKELNTSSKRALGAHLEAEPKSQRS AVQKPPSTGSAPAIESVD

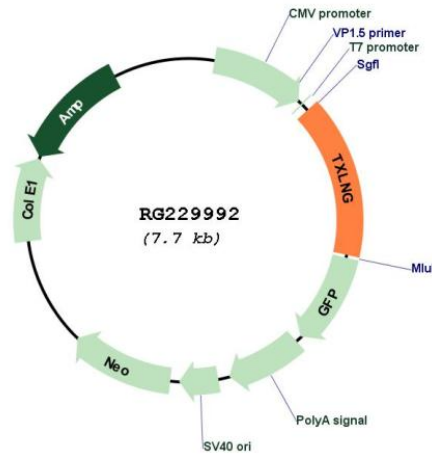
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001168683

ORF Size:	1188 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_001168683.1 , NP_001162154.1
RefSeq Size:	4022 bp
RefSeq ORF:	1191 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]