OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC123924

TINAG (NM_014464) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TINAG (NM_014464) Human Untagged Clone
Tag:	Tag Free
Symbol:	TINAG
Synonyms:	TIN-AG
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC123924 sequence for NM_014464 edited (data generated by NextGen Sequencing)

ATGTGGACCGGATATAAGATCTTAATCTTCTCTTATCTTACTACAGAAATCTGGATGGAG
AAGCAGTATTTATCTCAAAGAGAAGTGGACCTAGAGGCTTATTTCACTAGGAATCACACC
GTTTTGCAAGGTACTCGATTCAAAAGAGCCATTTTCCAAGGGCAATACTGTAGAAATTTT
GGCTGTTGTGAAGACAGAGATGATGGCTGTGTCACTGAGTTCTATGCGGCGAATGCGTTG
TGCTACTGTGATAAATTCTGTGACAGAGAAAATTCTGATTGCTGTCCTGACTACAAGTCC
TTTTGCCGTGAAGAGAAAGAATGGCCTCCTCACACACAGCCTTGGTATCCAGAAGGTTGC
TTCAAAGATGGTCAACATTATGAAGAGGGATCAGTAATTAAAGAAAACTGCAACTCCTGC
ACATGCTCAGGACAGCAATGGAAATGTTCCCAGCATGTATGCCTTGTTCGTCCAGAATTA
ATTGAACAGGTCAATAAAGGAGACTATGGATGGACAGCACAGAATTACAGCCAATTTTGG
GGAATGACTTTAGAAGATGGTTTTAAATTTCGCCTTGGCACTTTGCCACCTAGTCCCATG
CTCCTGAGCATGAATGAAATGACAGCTTCTTTACCTGCAACAACTGATCTTCCAGAGTTT
TTTGTTGCTTCTTATAAATGGCCTGGATGGACTCATGGCCCATTGGATCAAAAAAATTGT
GCTGCATCCTGGGCATTTTCCACTGCAAGTGTGGCTGCTGACCGAATAGCAATTCAGTCT
AAGGGTCGATACACGGCCAATCTATCCCCTCAGAATTTGATCTCTTGCTGTGCCAAGAAC
CGTCATGGATGCAATAGTGGAAGCATCGATAGGGCTTGGTGGTACCTGAGAAAACGTGGA
CTGGTATCCCACGCATGCTACCCACTTTTCAAAGACCAAAATGCTACCAACAATGGATGT
GCCATGGCAAGCAGGTCTGATGGGCGAGGAAAACGGCATGCCACGAAGCCATGTCCCAAC
AACGTAGAAAAATCTAACAGGATCTATCAATGTTCTCCTCCATACAGAGTCTCTTCCAAC
GAAACTGAGATAATGAAAGAAATCATGCAAAATGGACCAGTTCAAGCCATAATGCAAGTC
CGTGAAGATTTCTTCCATTATAAGACAGGGATATACAGACATGTTACCAGCACAAATAAA
GAATCAGAAAAATATCGAAAGCTTCAGACACATGCAGTCAAACTCACTGGATGGGGCACA
CTGAGAGGAGCACAAGGGCAGAAAGAAAAATTTTGGATTGCTGCCAATTCCTGGGGAAAG
TCATGGGGAGAGAATGGCTATTTCAGGATTCTTCGAGGAGTAAATGAGTCCGACATTGAA
AAGTTGATTATCGCAGCTTGGGGCCAACTGACGAGTTCTGATGAACCATAA

Clone variation with respect to NM_014464.3
472 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014464 unedited
AGTCAAATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGTCAGGTTCCAA
GGAGAAGCCCACAAGGCTAAGGGTATTGGATATAACGGAAAGTGGAAGCTATACCTGACT
TCCAGAGAATGTGGACCGGATATAAGATCTTAATCTTCTCTTATCTTACTACAGAAATCT
GGATGGAGAAGCAGTATTTATCTCAAAGAGAAGTGGACCTAGAGGCTTATTTCACTAGGA
ATCACACCGTTTTGCAAGGTACTCGATTCAAAAGAGCCATTTTCCAAGGGCAATACTGTA
GAAATTTTGGCTGTTGTGAAGACAGAGATGATGGCTGTGTCACTGAGTTCTATGCGGCGA
ATGCGTTGTGCTACTGTGATAAATTCTGTGACAGAGAAAATTCTGATTGCTGTCCTGACT
ACAAGTCCTTTTGCCGTGAAGAGAAAGAATGGCCTCCTCACACACAGCCTTGGTATCCAG
AAGGTTGCTTCAAAGATGGTCAACATTATGAAGAGGGATCAGTAATTAAAGAAAACTGCA
ACTCCTGCACATGCTCAGGACAGCAATGGAAATGTTCCCAGCATGTATGCCTTGTTCGTC
CAGAATTAATTGAACAGGTCAATAAAGGAGACTATGGATGGACAGCACAGAATTACAGCC
AATTTTGGGGAATGACTTTAGAAGATGGTTTTAAATTTCGCCTTGGCACTTTGCCACCTA
GTCCCATGCTCCTGAGCATGAATGAAATGACAGCTTCTTTACCTGNCACAACTGATCTTC
CAGAGTTTTTTGGTGCTTCTTATAAATGGCCTGGATGGACTCATGGCCCATTGGATCAAA
AAAATGTGCTGCATCCTGGGCATTTTCACTGNCAGTGTGGCTGCTGACCGATAGCATTCA
GTCTAGGGTCGATCACGGACAATCTATCCCA

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_014464 unedited
TCAGGCCGGATAGCACTTGGNAAGGTCGACAGGATGCCACCCGGNATCTGTTCAGGAAAC
AGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTGTGTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNAAAAAAAATTTTAGGGCCCCTGCTGGCC
TTTTTTGGGGTTGTTAAGGCCCAAAAATTTGAAGGAAGCCAAACCTTTACCCAAGGGGGA
AAATAAAAAAATTTTTTGTTTTTTTTTACCCGGGGAAAAAACCAAAATTCCCTTTTCCCC
AAAAATGGCATTTTTGTAAACTTTATTTTAGGGGGTTTCTTAAAGGGCTGACCTTTTGGA
AATTTAAGGGTATGTTTTGGTTCACCAAAACTCGTCAGTTGGCCCCAAAGTGCCATAATC
AATTTTTCAATGGCGGACTTATTTACTCCTTAAAAAATCCTGAATTAGCCTTTCTTTCCC
CATGATTTTCCCCAGGATTTGGCAGCAATCCAAAATTTTTTTTTCGGCCCTTGGGCTCCT
CTCAGTGGGCCCAATCCAGTGAGTTTAACTGCTTGTTTCTAAACCTTTCAAAATTTTTCT
GATTCTTTTTTTGGGCCGGAAACATGTTTGTTTTTCCCTGTTTTATAATGGAAAAATTTT
TTCCGGACTTGGCTTTATGGCTTGAACGTGGCCCATTTTTGCAAGATTTCTTTTCTTAAT
ACCCAATTTTCGTGGGGAAAAAAATCCTCTTTTGGGCG
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Restriction Sites: Please inquire

ACCN: NM_014464

Insert Size: 2000 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:
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_014464.2, NP_055279.2

RefSeq Size: 1794 bp

RefSeq ORF: 1431 bp

Locus ID: 27283

UniProt ID: Q9UJW2

Cytogenetics: 6p12.1

Protein Families: Druggable Genome, Protease, Secreted Protein

Gene Summary: This gene encodes a glycoprotein that is restricted within the kidney to the basement membranes underlying the epithelium of Bowman's capsule and proximal and distal tubules. Autoantibodies against this protein are found in sera of patients with tubulointerstital nephritis, membranous nephropathy and anti-glomerular basement membrane nephritis. Ontogeny studies suggest that the expression of this antigen is developmentally regulated in a precise spatial and temporal pattern throughout nephrogenesis. [provided by RefSeq, Nov 2011]