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 SC327332

TNRC6B (NM_001162501) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNRC6B (NM_001162501) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNRC6B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327332 representing NM_001162501. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAGAGAAGGAGCAAGAAAGGGAAGAACAGTTAATGGAAGACAAGAAAAGGAAGAAAGAGGATAAA
AAGAAAAAAGAAGCCACTCAGAAGGTCACGGAACAAAAAACCAAAGTGCCCGAAGTGACGAAACCAAGT
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CAACCAAATTCTAGCACTGGAGCATGGGACAATCAAAAGGGCCACCCCCTCCCTGAAAACCAAGGCAAT

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GCCCAGGCTCCCTGTTGGGGAAGATCTTCCAGCTCCACAGGAAGTGAAGTTGGAGGTCAAAGCACTGGA
AGCAACCACAAAGCAGGAAGTAGTGACAGTCATAACTCTGGCCGTCGGTCGTACAGGCCCACACATCCT
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CCACAGATTGATGGGTCAACCTTGAGAACGATCTGCATGCAGCATGGCCCACTGCTGACATTCCATCTG
AATCTAACCCAGGGCACTGCCCTGATCCGATACAGCACCAAACAGGAGGCGGCCAAGGCCCAAACTGCA
CTGCACATGTGTGTGTTGGGAAACACTACCATCCTTGCTGAGTTTGCCACTGATGATGAAGTCAGCCGC
TTTCTGGCACAAGCTCAGCCCCCTACACCTGCAGCAACCCCAAGTGCGCCAGCTGCGGGGTGGCAGTCG

CTGGAGACCGGCCAGAACCAGTCAGATCCCGTGGGACCTGCTCTGAATCTTTTTGGTGGGTCCACTGGG
CTCGGGCAGTGGAGCAGCAGCGCTGGTGGCAGCAGCGGGGCCGATCTTGCTGGCGCTTCATTGTGGGGG
CCCCCAAACTATTCTTCTAGCTTATGGGGAGTCCCAACGGTGGAAGATCCCCATAGGATGGGCAGCCCT
GCTCCTTTACTACCTGGTGACCTTCTGGGAGGAGGGTCGGATTCAATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001162501

Insert Size: 5502 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001162501.1

RefSeq Size: 18297 bp

RefSeq ORF: 5502 bp

Locus ID: 23112

UniProt ID: Q9UPQ9

Cytogenetics: 22q13.1

MW: 194 kDa

Gene Summary: Plays a role in RNA-mediated gene silencing by both micro-RNAs (miRNAs) and short interfering RNAs (siRNAs). Required for miRNA-dependent translational repression and siRNA-dependent endonucleolytic cleavage of complementary mRNAs by argonaute family proteins. As scaffoldng protein associates with argonaute proteins bound to partially complementary mRNAs and simultaneously can recruit CCR4-NOT and PAN deadenylase complexes. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.