

Product datasheet for **SC123525**

TGN46 (TGOLN2) (BC028219) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TGN46 (TGOLN2) (BC028219) Human Untagged Clone
Tag:	Tag Free
Symbol:	TGN46
Synonyms:	MGC14722; TGN38; TGN46; TGN48; TGN51; trans-Golgi network protein (46, 48, 51kD isoforms); trans-golgi network protein 2; TTGN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC028219 edited
GGCGGAAGCGCTATCCGAGCAGGATGCGGTTTCGTGGTTGCCTTGGTCCTCCTGAACGTCCG
CAGCGGCGGGAGCCGTGCCGCTCTTGGCCACCGAAAGCGTCAAGCAAGAAGAAGCTGGAG
TACGGCCTTCTGCAGGAAACGTCTCCACCCACCCAGCTTGAAGCAACGGCCTGGAGGCT
CTACCAAGTCGCATCCGGAGCCGAGACTCCAAAAGACAGCCCTAGCAAGTCGAGTGGG
AGGCGCAGACCCAGAAGACACCCCAACAAGTCGGGTGCGGAGGCAAGACCCAAAAAG
ACAGCTCAACAAGTCGGGTGCGGAGGCAAGACCCAAAAAGGCAGCACTAGCAAGTCGG
GTTTCGGAGGCGCAGACCACAAAAGACAGCACTAGTAAGTCGCATCCGGAGCTGCAGACTC
CAAAAGACAGCACTGGCAAAATCGGGTGGGAGGCGCAGACCCAGAAAGACAGCCCAACA
GGTCGGGTGCGGAGGCAAGACCCAAAAAGACAGCCCTAGCAAGTCAGGTTTCGGAGGCGC
AGACCACAAAAGATGTCCCTAATAAGTCGGGTGCGGACGGCCAGACCCAAAAAGACGGCT
CCAGCAAGTCGGGTGCGGAGGATCAGACCCAAAAAGACGTCCCTAACAAGTCGGGTGCGG
AGAAGCAGACTCCAAAAGACGGCTCTAACAAGTCGGGTGCGGAGGAGCAGGGCCCAATAG
ACGGGCCAGCAAGTCGGGTGCGGAGGAGCAGACTCAAAAGACAGCCCTAACAAGTGG
TTCCAGAGCAGCCTTCCCGAAAGACCATTCAGCCCATCTCCAACCCTTCTGATAACA
AGGAGCTCCCAAGGCTGACACAAACCAGCTTGCTGACAAAGGGAAGCTTCTCCCTCATG
CTTTCAAAACCGAATCTGGGGAGGAAACTGACCTCATTTCTCCCCGAGGAGGAAGTTA
AGTCTTACAGGCCTACTGAGGATGTGGAGCCAAAGAGGCTGAAGATGATGATACAGGAC
CCGAGGAGGGCTCACCGCCAAAGAAGAGAAAAGAAAGATGTCCGGTTCTGCCTCCAGTG
AGAACCGTGAAGGGACACTTTCGGATTCCACGGGTAGCGAGAAGGATGACCTTTATCCGA
ACGTTTCTGAAATGGCAGCGCGGAGAGCAGCCACTTCTTGCATATCTGGTGACTGCAG
CCATTCTTGTGGTGTCTCTATATCGCTCATCACACAAGCGGAAGATCATTGCTTTTG
TCCTGGAAGGAAAAGATCTAAAGTCACCCGGCGGCAAAAGGCCAGTGACTACCAACGTT
TGGACCAGAAGGTAAGGAAGGAGAGCCAGGTCCATGGGAGGGATAGGAGGGATAGGCAA
CGTCAGATGGACCAGTAGTGGGCTTGCATTTGCCATGAAGCAGCAGTGGCTGATTCTGG
GGATGCGGTTGTGTTGTGATTGCAATTCGCCCTTTTTAGACAACAACTAGAAACATCTA
GATACACATATCTGTGACGTTAGAGCTAGCAGAGACCTTGAATACTCTACAGCAGCTAC
CTCCCTTACAGATGAGGAAATAGGCCACGCAGAAACACTCTTTTTTTTTTTTTCCGC
TAAGTTTCTACTGCAAGTTAGTGGCAAACCTCAGGACCTGATAGCAACTCCCTAGTCTCCC
AGTCTGAGCTTTCTGCATTCTGCCAGCGCTCCATAAACTTTAATAGGCATTTGAATCAC
CTTGGGAATTTTGATAAAAAGCATTATCTGATTCATTAGATGTGGGGTGGAGCCTATAT
TTCTACATTCTTTTTTTTTTTTTTTGGAGATGGAGTTTTGCTCTTGTGGCCAGGCTGGAG
TGCAAGTGGTCAATCTCGGCTCACTGCAACCTCTGCTGCCTGGGTTACAGGCGATTCTGT
GCCTCAGCCTCCTAAGTAGTGGGATTACAGGCATGTGCCACACACCTGGCTAATTTTTG
TATTTTTAGTAGAGATGGGGTTTCAACATGTTGGCCAGGTTGGTCTCGAACTCCTGACCT
CAAGTGATCCACCTGCCTGACCTCAAGTGATCCACCTGCCTCGGCTCCCAAAGTGTGG
GATTACAGGCGTGAGCCACCACGCCAGCCACCTTTTCTATGTTTAGATACATAAAACACT
CACCCTAGGCAATAGGCTATACCATATAGCCTAGGTGTGTACACCATCTAGGTTTTTC
TAACTACACTCTATGATGTTACACAATAAAATTGCCAACGAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC028219 unedited CACGCTGAACATTTTGTNAATACGACTTCTCTATAGGGCGGCCGCGCATTCCCGGGCATG GCGGAGCGCTATCCGAGCATGATGCGGTTCTGTTGCTTGGTCTCTGAACGTGCGA GCGGCGGGAGCCGTGCCGCTCTTGGCCACCGAAAGCGTCAAGCAAGAAGAAGCTGGAGTA CGGCCTTCTGCAAGAAACGTCTCCACCCACCCAGCTTGATCCAACGGCCTGGAGGCTCT ACCAAGTCGCATCCGGAGCCGAGACTCCAAAAGACAGCCCTAGCAAGTCGAGTGCGGAG GCGCAGACCCCAAGAAGACACCCCAACAAGTCGGGTGCGGAGGCAAGACCCCAAAAAGAC AGCTCCAACAAGTCGAGTGCGGAGGGCAAGACCCCAAAAAGCCCGCCTACCAAGTCGGTT TCGGAGGCGCGATCCCCAAGACCGCCCTTGTAAGTCGGAATCCGGAGCGGCAGACTCCC AAAAAACGGCTTTGGCAAATCGGGGGGGGAAGCCCAACCCCAAAAAAAGGCCCCAA AACGTTCTGGTGGCGGGGGGCAAAAACCCCAAAAAGAACCAGCCCTTGGAAAGTCAGG GGTTGGGGGGGGCCACCCCCCAAAAAGAAATCCCCCTCAAAAAGGGGGGGGGGGCGG CGGGCGCCCCCATAGAGAGGGGGCGCCCTGCTACGCTGGTGGGGGGGGTGTTC ACCCTCCCCCAAAAAAGCGTGTCCCACAAAATGCGGGGGGGGAGTAAACCCTT CCCTTCAAGAAGTCGGGCTTAACCTCTTTTTCGGTCCAACGGTAGGTTGCGTCTACTAA ATATGGGCCCGCCACCAGGGTCGCGGGGGCGGGGAAAACCCACCCCCAC
Restriction Sites:	Please inquire
ACCN:	BC028219
Insert Size:	2435 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:	BC028219.1 , AAH28219.1
RefSeq Size:	2435 bp
RefSeq ORF:	1341 bp
Locus ID:	10618
Cytogenetics:	2p11.2
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a type I integral membrane protein that is localized to the trans-Golgi network, a major sorting station for secretory and membrane proteins. The encoded protein cycles between early endosomes and the trans-Golgi network, and may play a role in exocytic vesicle formation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]