

## Product datasheet for **SC324567**

### TGN46 (TGOLN2) (NM\_006464) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TGN46 (TGOLN2) (NM_006464) Human Untagged Clone
Tag:	Tag Free
Symbol:	TGN46
Synonyms:	hTGN46; hTGN48; hTGN51; TGN38; TGN46; TGN48; TGN51; TTN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006464.2  
AGAGGGCGGAAGCGCTATCCGAGCAGGATGCGGTTTCGTAGTTGCCTTGGTCTCCTGAAC  
GTCCGAGCGGCGGAGCCGTGCCGCTTTGGCCACCGAAAGCGTCAAGCAAGAAGATGCT  
GGAGTACGGCCTTCTGCAGGAAACGTCTCCACCCACCCAGCTTGAGCCAACGGCCTGGA  
GGCTCTACCAAGTCGCATCCGGAGCCGAGACTCCAAAAGACAGCCCTAGCAAGTCGAGT  
GCGGAGGCGCAGACCCAGAAAGACACCCCAACAAGTCGGGTGCGGAGGCAAAGACCCAA  
AAAGACAGCTCCAACAAGTCGGGTGCGGAGGCAAAGACCCAAAAAGGCAGCACTAGCAAG  
TCGGGTTTCGGAGGCGCAGACCACAAAAGACAGCACTAGTAAGTCGCATCCGGAGCTGCAG  
ACTCCAAAAGACAGCACTGGCAAATCGGGTTCGGAGGCGCAGACCCAGAAAGACAGCCCC  
AACAGGTCGGGTGCGGAGGCAAAGACCCAAAAAGACAGCCCTAGCAAGTCAGGTTTCGGAG  
GCGCAGACCACAAAAGATGTCCCTAATAAGTCGGGTGCGGACGGCCAGACCCAAAAAGAC  
GGCTCCAGCAAGTCGGGTGCGGAGGATCAGACCCAAAAAGACGTCCCTAACAAGTCGGGT  
GCGGAGAAGCAGACTCCAAAAGACGGCTCTAACAAGTCGGGTGCGAGGAGCAGGGCCCA  
ATAGACGGGCCAGCAAGTCGGGTGCGGAGGAGCAGACCTCAAAAAGACAGCCCTAACAAG  
GTGGTTCCAGAGCAGCCTTCCCGAAAGACCATCCAAGCCCATCTCAACCCCTTCTGAT  
ACAAGGAGCTCCCAAGGCTGACACAAACCAGCTTGCTGACAAAAGGGAAGCTTTCTCCT  
CATGCTTTCAAAACCGAATCTGGGGAGGAACTGACCTCATTTCTCCCCGCAGGAGGAA  
GTTAAGTCTTCAGAGCCTACTGAGGATGTGGAGCCAAAGAGGCTGAAGATGATGATACA  
GGACCCGAGGAGGCTCACCGCCAAAGAAGAGAAAGAAAAGATGTCGGTTCTGCCTCC  
AGTGAGAACCCTGAAGGACACTTTCGGATTCCACGGGTAGCGAGAAGGATGACCTTTAT  
CCGAACGGTTCTGAAAATGGCAGCGCGGAGAGCAGCCACTTCTTTCATATCTGGTGACT  
GCAGCCATTCTTGTGGTGTCTCTATATCGCTCATCACAAAGCGGAAGATCATTGCT  
TTTGTCTGGAAGGAAAAAGATCTAAAGTCACCCGGCGGCAAAGGCCAGTGACTACCAA  
CGTTTGGACCAGAAGTCTAACAGAATGGTATATTCCTCTGAAAAAGATGAACGTCACC  
AATGGATTGTGCTGCTCTCGTTTCAGCTTTGATTTTTTGTCTTGAGAACCCTTGCTCCT  
CCTGCTGATTTGTTCTAAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_006464
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006464.2</a> , <a href="#">NP_006455.2</a>
<b>RefSeq Size:</b>	6345 bp
<b>RefSeq ORF:</b>	1314 bp
<b>Locus ID:</b>	10618
<b>UniProt ID:</b>	<a href="#">O43493</a>
<b>Cytogenetics:</b>	2p11.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes 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.</p>