

Product datasheet for **SC331693**

TGN46 (TGOLN2) (NM_001206844) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TGN46 (TGOLN2) (NM_001206844) Human Untagged Clone
Tag: Tag Free
Symbol: TGN46
Synonyms: hTGN46; hTGN48; hTGN51; TGN38; TGN46; TGN48; TGN51; TTN2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331693 representing NM_001206844.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCGGTTCTGGGTTGCCTTGGTCCTCCTGAACGTCGCAGCGGGGAGCCGTGCCGCTCTGGCCACC
GAAAGCGTCAAGCAAGAAGAAGCTGGAGTACGGCCTTCTGCAGGAAACGTCTCCACCCACCCAGCTTG
AGCCAACGGCCTGGAGGCTCTACCAAGTCGCATCCGGAGCCGAGACTCCAAAAGACAGCCCTAGCAAG
TCGAGTGGGAGGCGCAGACCCCAAGACACCCCAACAAGTCGGGTGCGGAGGCAAAGACCCAAAAA
GACAGTCCAACAAGTCGGGTGCGGAGGCAAAGACCCAAAAAGGCAGCACTAGCAAGTCGGGTTGGAG
GCGCAGACCACAAAAGACAGCACTAGTAAGTCGCATCCGGAGCTGCAGACTCCAAAAGACAGCACTGGC
AAATCGGGTGGGAGGCGCAGACCCAGAACAGACGCCCAACAGGTCGGGTGCGGAGGCAAAGACCCAA
AAAGACAGCCCTAGCAAGTCAGGTTCCGGAGGCGCAGACCACAAAAGATGTCCCTAATAAGTCGGGTGCG
GACGGCCAGACCCAAAAAGACGGCTCCAGCAAGTCGGGTGCGGAGGATCAGACCCAAAAAGACGTCCTT
AACAAAGTCGGGTGCGGAGAAGCAGACTCCAAAAGACGGCTCTAACAAAGTCGGGTGCGAGGAGCAGGGC
CCAATAGACGGGCCAGCAAGTCGGGTGCGGAGGAGCAGACTCCAAAAGACAGCCCTAACAAAGGAGGAA
GTTAAGTCTTCAGAGCCTACTGAGGATGTGGAGCCAAAGAGGCTGAAGATGATGATACAGGACCCGAG
GAGGGCTCACCGCCAAAGAAGAGAAAAGAAAGATGTCCGGTTCTGCCTCCAGTGAGAACCCTGAAGGG
ACACTTTCGGATTCCACGGGTAGCGAGAAGGATGACCTTTATCCGAACGGTTCTGGAAATGCGAGCGCG
GAGAGCAGCCACTCTTTGCATATCTGGTGACTGCAGCCATTCTTGTGGCTGTCCCTCTATATCGCTCAT
CACAACAAGCGGAAGATCATTGCTTTTGTCTGGAAGGAAAAAGATCTAAAGTCACCCGGCGGCCAAAG
GCCAGTGACTACCAACGTTTGGACCAGAAGTCTAA
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Restriction Sites: SgfI-MluI
ACCN: NM_001206844
Insert Size: 1140 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).



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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:	<u>NM_001206844.1</u>
RefSeq Size:	6199 bp
RefSeq ORF:	1140 bp
Locus ID:	10618
UniProt ID:	<u>O43493</u>
Cytogenetics:	2p11.2
Protein Families:	Transmembrane
MW:	39.6 kDa
Gene Summary:	<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 (4) uses an alternate splice site and lacks an in-frame segment of the coding region, compared to variant 1. The encoded isoform (4) is shorter than 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>