

Product datasheet for **SC331691**

TGN46 (TGOLN2) (NM_001206840) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TGN46 (TGOLN2) (NM_001206840) Human Untagged Clone
Tag: Tag Free
Symbol: TGN46
Synonyms: hTGN46; hTGN48; hTGN51; TGN38; TGN46; TGN48; TGN51; TTN2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331691 representing NM_001206840.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGGTTCTGGTTGCCTTGGTCCTCCTGAACGTCGCAGCGCGGGAGCCGTGCCGCTCTTGGCCACC
GAAAGCGTCAAGCAAGAAGAAGCTGGAGTACGGCCTTCTGCAGGAAACGTCTCCACCCACCCAGCTTG
AGCCAACGGCCTGGAGGCTCTACCAAGTCGCATCCGGAGCCGAGACTCCAAAAGACAGCCCTAGCAAG
TCGAGTGGGAGGCGCAGACCCCAAGACACCCCAACAAGTCGGGTGCGGAGGCAAAGACCCAAAAA
GACAGCTCCAACAAGTCGGGTGCGGAGGCAAAGACCCAAAAAGGCAGCACTAGCAAGTCGGGTCGGAG
GCGCAGACCACAAAAGACAGCACTAGTAAGTCGCATCCGGAGCTGCAGACTCCAAAAGACAGCACTGGC
AAATCGGGTGGGAGGCGCAGACCCCAAGACAGCCCAACAGGTTCGGGTGCGGAGGCAAAGACCCAA
AAAGACAGCCCTAGCAAGTCAGGTTTCGGAGGCGCAGACCACAAAAGATGTCCCTAATAAGTCGGGTGCG
GACGGCCAGACCCCAAAAAGACGGCTCCAGCAAGTCGGGTGCGGAGGATCAGACCCCAAAAAGACGTCCCT
AACAAGTCGGGTGCGGAGAAGCAGACTCCAAAAGACGGCTCTAACAAGTCGGGTGCGAGGAGCAGGGC
CCAATAGACGGGCCCAGCAAGTCGGGTGCGGAGGAGCAGACCTCAAAAGACAGCCCTAACAAGGTGGTT
CCAGAGCAGCCTTCCCGAAAGACCATTCAGCCCATCTCAACCCTTCTGATAACAAGGAGCTCCCC
AAGGCTGACACAAACAGCTTGCTGACAAAGGAAGCTTCTCCTCATGCTTTCAAAACCGAATCTGGG
GAGGAACTGACCTCATTTCTCCCCGAGGAGGAAGTTAAGTCTCAGAGCCTACTGAGGATGTGGAG
CCCAAAGAGGCTGAAGATGATGATACAGGACCCGAGGAGGCTCACCGCCAAAGAAGAGAAAGAAAG
ATGTCCGTTCTGCCTCCAGTGAGAACCGTGAAGGGACACTTTCGGATTCCACGGGTAGCGAGAAGGAT
GACCTTTATCCGAACGGTCTGGAATGGCAGCGCGGAGAGCAGCCACTTCTTTCATATCTGGTGACT
GCAGCCATTCTTGTGGCTGTCTCTATATCGCTCATCACAACAAGCGGAAGATCATTGCTTTTGTCTG
GAAGGAAAAAGATCTAAGTCACCCGGCGGCCAAAGGCCAGTGACTACCAACGTTTGACCAGAAGTAT
GTCTTAATTCTGAATGTTTTCCCTGCACCTCCTAAAAGATCTTTTTCCCAAGTCCTAACAGAATGG
TATATTCTCTGAAAAAGATGAACGTCACCAATGGATTGTGCTGCTCTCGTTTCAGCTTGA

Restriction Sites: SgfI-MluI
ACCN: NM_001206840
Insert Size: 1443 bp



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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:	<u>NM_001206840.1</u>
RefSeq Size:	6431 bp
RefSeq ORF:	1443 bp
Locus ID:	10618
UniProt ID:	<u>O43493</u>
Cytogenetics:	2p11.2
Protein Families:	Transmembrane
MW:	51.1 kDa
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] Transcript Variant: This variant (2, A allele) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a longer and distinct C-terminus, compared to isoform 1. This variant (2, A allele) differs at 1 nt position compared to variant 2, B allele. 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.