

## Product datasheet for **RG211856**

### TACI (TNFRSF13B) (NM\_012452) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TACI (TNFRSF13B) (NM_012452) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TACI
Synonyms:	CD267; CVID; CVID2; IGAD2; RYZN; TACI; TNFRSF14B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211856 representing NM_012452 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGTGGCCTGGGCCGGAGCAGGCGAGGTGGCCGGAGCCGTGTGGACCAGGAGGAGCGCTTCCACAGG  
GCCTGTGGACGGGGGTGGCTATGAGATCCTGCCCGAAGAGCAGTACTGGGATCCTCTGCTGGGTACCTG  
CATGTCTGCAAACCATTTGCAACCATCAGAGCCAGCGCACCTGTGCAGCCTTCTGCAGGTCACCTCAGC  
TGCCGCAAGGAGCAAGGCAAGTTCTATGACCATCTCCTGAGGGACTGCATCAGCTGTGCCTCCATCTGTG  
GACAGCACCTAAGCAATGTGCATACTTCTGTGAGAACAAGCTCAGGAGCCAGTGAACCTTCCACCAGA  
GCTCAGGAGACAGCGGAGTGGAGAAGTTGAAAACAATTCAGACAACCTCGGAAGGTACCAAGGATTGGAG  
CACAGAGGCTCAGAAGCAAGTCCAGCTCTCCCGGGGCTGAAGCTGAGTGCAGATCAGGTGCCCTGGTCT  
ACAGCACGCTGGGGCTCTGCCTGTGTGCCGCTCCTGCTGCTTCTGCTGGCGGTGGCCTGCTTCTCAA  
GAAGAGGGGGATCCCTGCTCCTGCCAGCCCCGCTCAAGGCCCGTCAAAGTCCGGCCAAGTCTTCCAG  
GATCACGCGATGGAAGCCGGCAGCCCTGTGAGCACATCCCCGAGCCAGTGGAGACCTGCAGTTTCTGCT  
TCCCTGAGTGCAGGGCGCCACGCAGGAGAGCGCAGTACGCCTGGGACCCCCGACCCACTTGTGCTGG  
AAGGTGGGGTGCCACACCAGGACCACAGTCTGCAGCCTTGCCACACATCCCAGACAGTGGCCTTGGC  
ATTGTGTGTGCCTGCCAGGAGGGGGGCCAGGTGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG211856 representing NM\_012452  
Red=Cloning site Green=Tags(s)

MSGLGRSRRGGRSRVDQEERFPQGLWTGVAMRSCPEEQYWDPLLGTMCMSCKTICNHQSQR TCAAFCRSL S  
 CRKEQGKFYDHLRLDCISCASICGQHPKQCA YFCENKLRSPVNLPELRRQRSGEVENNSDNGRYQGLE  
 HRGSEASPALPGLKLSADQVALVYSTLGLCLCAVLCCFLVAVACFLKKRGDPCSCQPRSRPRQSPAKSSQ  
 DHAMEAGSPVSTSPPEVETCSFCFPECRAPTQESAVTPGTPDPTCAGRWGCHTRTTVLQPCPHIPDSGLG  
 IVCVPAQEGGPGA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_012452

**ORF Size:** 879 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_012452.3](#)

**RefSeq Size:** 1377 bp

**RefSeq ORF:** 882 bp

**Locus ID:** 23495

**UniProt ID:** [O14836](#)

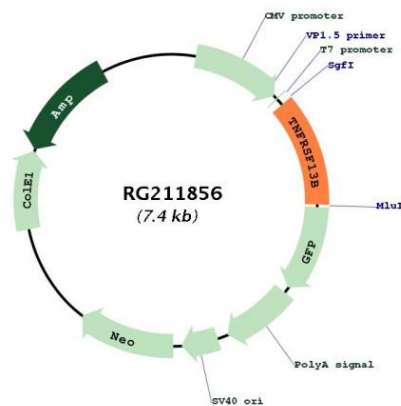
**Cytogenetics:** 17p11.2

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction, Primary immunodeficiency

**Gene Summary:** The protein encoded by this gene is a lymphocyte-specific member of the tumor necrosis factor (TNF) receptor superfamily. It interacts with calcium-modulator and cyclophilin ligand (CAML). The protein induces activation of the transcription factors NFAT, AP1, and NF-kappa-B and plays a crucial role in humoral immunity by interacting with a TNF ligand. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG211856