

Product datasheet for SC115358

TACI (TNFRSF13B) (NM_012452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TACI (TNFRSF13B) (NM_012452) Human Untagged Clone
Tag:	Tag Free
Symbol:	TACI
Synonyms:	CD267; CVID; CVID2; IGAD2; RYZN; TACI; TNFRSF14B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115358 sequence for NM_012452 edited (data generated by NextGen Sequencing)

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ATGAGTGGCCTGGGCCGGAGCAGGCGAGGTGGCCGGAGCCGTGTGGACCAGGAGGAGCGC
TTTCCACAGGGCCTGTGGACAGGGGTGGCTATGAGATCCTGCCCGAAGAGCAGTACTGG
GATCCTCTGCTGGGTACCTGCATGTCTGCAAAACCATTTGCAACCATCAGAGCCAGCGC
ACCTGTGCAGCCTTCTGCAGGTCAGCTGCGCAAGGAGCAAGGCAAGTTCTATGAC
CATCTCTGAGGGACTGCATCAGCTGTGCCTCCATCTGTGGACAGCACCCTAAGCAATGT
GCATACTTCTGTGAGAACAAGCTCAGGAGCCCAGTGAACCTTCCACCAGAGCTCAGGAGA
CAGCGGAGTGGAGAAGTTGAAAACAATTCAGACAACCTCGGGAAGGTACCAAGGATTGGAG
CACAGAGGCTCAGAAGCAAGTCCAGCTCTCCCGGGGCTGAAGCTGAGTGCAGATCAGGTG
GCCCTGGTCTACAGCACGCTGGGGCTCTGCCTGTGTGCCGTCTCTGCTGCTTCCTGGTG
GCGGTGGCCTGCTTCTCAAGAAGAGGGGGATCCCTGCTCCTGCCAGCCCGCTCAAGG
CCCCGTCAAAGTCCGGCCAAGTCTTCCCAGGATCACGCGATGGAAGCCGGCAGCCCTGTG
AGCACATCCCCGAGCCAGTGGAGACCTGCAGCTTCTGCTTCCCCTGAGTGCAGGGCGCCC
ACGCAGGAGAGCGCAGTACGCCTGGGACCCCCGACCCCACTTGTGCTGGAAGGTGGGGG
TGCCACACCAGGACCACAGTCTGCAGCCTTGCCACACATCCCAGACAGCGCCCTTGGC
ATTGTGTGTGCCTGCCAGGAGGGGGGCCAGGTGCATAA

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Clone variation with respect to NM_012452.2
81 g=>a;831 t=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012452 unedited CACGAGAAATAAGCATCCTTGATAATGAGTGGCCTGGGCCGGAGCAGGCGAGGTGGCCGGA GCCGTGTGGACCAGGAGGAGCGCTTTCCACAGGGCCTGTGGACAGGGGTGGCTATGAGAT CCTGCCCGAAGAGCAGTACTGGGATCCTCTGCTGGGTACCTGCATGTCTGCAAAACCA TTTGCAACCATCAGAGCCAGCGCACCTGTGCAGCCTTCTGCAGGTCACTCAGCTGCCGCA AGGAGCAAGGCAAGTTCTATGACCATCTCCTGAGGGACTGCATCAGCTGTGCCTCCATCT GTGGACAGCACCCCTAAGCAATGTGCATACTTCTGTGAGAACAAGCTCAGGAGCCCCAGTGA ACCTTCCACCAGAGCTCAGGAGACAGCGGAGTGGAGAAGTTGAAAACAATTCAGACAACCT CGGAAGGTACCAAGGATTGGAGCACAGAGGCTCAGAAGCAAGTCCAGCTCTCCCGGGGC TGAAGCTGAGTGCAGATCAGGTGGCCCTGGTCTACAGCACGCTGGGGCTCTGCCTGTGTG CCGTCCTCTGCTGCTTCCCTGGTGGCGGTGGCTGCTTCCCTCAAGAAGAGGGGGGATCCCT GCTCCTGCCAGCCCCGCTCAAGGCCCGTCAAAGTCCGGCCAAGTCTTCCAGGATCACG CGATGGAAGCCGGCAGCCCTGTGAGCACATCCCCGAGCCAGTGGAGACCTGCAGCTTCT GCTTCCCTG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012452 unedited TCCATTGATCATTGGATGATGGCAACTNCCAGGNCCAGAGAAAGCACTGGGNAGGGT CACAGGGCAGCCACCCGGGTATCTGTTCAGGAAAACAGCTATGACCGCGCCGCAATCTA GAGTCGAGTTTGGG AGGAAAGGCAACCGCCAAAGTTTTTATCCCCAGGAGAGAGGGGCCCTCGGGGGCTGGGA ACAACAGGCCCAAGACTTTATTGCCCGTGTGGTTAGGTGAAGACCACCTACAGCTGCC TGGAACTGGGACTCAAAGGCCCGACCCCGGGTCTATCTCTCTGGCCCTCTCTCC CTCTCTGGCTCTCTGCCTCTCTCCCTCTTTGGCTCTCTCCCTCTTTGGCTCTCTCCTTCT GGGCCGGGCCCTTCTCTCTGCCCCCTTCCCTCTCTGGCTCTCTTCCCTCTGGCTCT CTCTCCCTCTGGCTCTCTCTCCCTCTCTGGCTCCTCTGGTTCTCTCCCTCTCTGCCTCCC CTGGCTCTCTCTCCTAAAAATCTCTCCCTCTCCCCAATTTTTTTTTTTCTCCCTCC TTTCCATCTTCTCCCTCCTCTTCCCTCCCTGACCCCCATTTAAGCCCTGGGCCCCC CTCCTGGGCAGGCACACAAACAATGCCAAGGCCGCTGTCTGGGATGTGTGGGCAAGGCCG CAAGACTGTGGTCCCGGTGTGGCCACCCACCTTCCAACACAATGGGGGTGGGGGTCCC AAGCGTAATGCGCTTCCGGGGGGGGCCCCCTGCACTCAAGGAAGCAGAAGCTGCCCGT CCCCCTTCTGGGGGATGTTCCCAAAGGGCTGCCGGGCTTCAAGGGGGGAACCGGGGA AAAC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_012452
Insert Size:	1500 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:

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_012452.2](#), [NP_036584.1](#)

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]