

Product datasheet for **SC118691**

TACD2 (TACSTD2) (NM_002353) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TACD2 (TACSTD2) (NM_002353) Human Untagged Clone
Tag:	Tag Free
Symbol:	TACD2
Synonyms:	EGP-1; EGP1; GA733-1; GA7331; GP50; M1S1; TROP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118691 sequence for NM_002353 edited (data generated by NextGen Sequencing)

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ATGGCTCGGGCCCCGGCCTCGCGCCGCCACCGCTGCGGCTGCCGCTGCTGCTGGTG
CTGGCGGCGGTGACCGGCCACACGGCCGCGCAGGACAACAGTGCACGTGTCCACCAACAAG
ATGACCGTGTGCAGCCCCGACGGCCCCGCGGCGCTGCCAGTGCCGCGCGCTGGGCTCG
GGCATGGCGGTGACTGCTCCACGCTGACCTCCAAGTGTCTGCTGCTCAAGGCGCGCATG
AGCGCCCCAAGAACGCCCGCACGCTGGTGCAGCCGAGTGAGCACGCGCTCGTGGACAAC
GATGGCCTCTACGACCCCGACTGCGACCCCGAGGGCCGCTTCAAGGCGCGCCAGTGAAC
CAGACGTCGGTGTGCTGGTGCCTGAACTCGGTGGGCGTGCGCCGACGGACAAGGGCGAC
CTGAGCCTACGCTGCGATGAGCTGGTGCACCCACCACATCCTCATTGACCTGCGCCAC
CGCCCCACGCGCGCCGCTTCAACCACTCAGACCTGGACGCCGAGCTGAGGCGGCTCTTC
CGCGAGCGCTATCGGCTGCACCCCAAGTTCGTGGCGGCCGTGCACTACGAGCAGCCACC
ATCCAGATCGAGCTGCGGCAGAACACGTCTCAGAAGGCCGCCGGTGACGTGGATATCGGC
GATGCCGCTACTACTTCGAGAGGGACATCAAGGGCGAGTCTCTATTCCAGGGCCGCGGC
GGCCTGGACTTGCAGCGTGCAGGAGAACCCCTGCAGGTGGAGCGCACGCTCATCTATTAC
CTGGACGAGATCCCCGAAGTTCTCCATGAAGCGCTCACCGCCGCGCTCATCGCCGTC
ATCGTGGTGGTGTGGTGGCCCTCGTCGCCGCGCATGGCCGCTCCTGGTGTATCACAACCGG
AGAAAGTCGGGGAAGTACAAGAAGGTGGAGATCAAGGAAGTGGGGGAGTTGAGAAAGGAA
CCGAGCTTGTAG

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Clone variation with respect to NM_002353.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002353 unedited
 NGGGGTTCAGCATTTTGTAAATACGATTTACTATAGGGCGGCCGGAATCGGCACGAGGGC
 AGCCCCGACGAGTCCCCGCGCCTCATCCGCCCGCTCCGGTCCGCGTTCTCCGCCCCAC
 CATGGCTCGGGCCCCGGCTCGCGCCGCCACCGCTGCGGCTGCCGCTGCTGCTGCTGGT
 GCTGGCGCGGTGACCGGCCACACGGCCGCGCAGGACAACGACGTGTCCCACCAACAA
 GATGACCGTGTGCAGCCCCGACGGCCCCGGCGCCGCTGCCAGTGCCGCGCGCTGGGCTC
 GGGCATGGCGGTGACTGCTCCACGCTGACCTCCAAGTGTCTGCTGCTCAAGGCGCGCAT
 GAGCGCCCCAAGAACGCCCGCACGCTGGTGCGGCCGAGTGAGCACGCGCTCGTGGACAA
 CGATGGCCTCTACGACCCGACTGCGACCCGAGGGCCGCTTCAAGGCGCGCCAGTGCAA
 CCAGACGTCGGTGTGCTGGTGCCTGAACTCGGTGGGCGTGCGCCGACGGACAAGGGCGA
 CCTGAGCCTACGCTGCGATGAGCTGGTGCACCCACCACATCCTCATTGACCTGCGCCA
 CCGCCCCACCGCCGGCGCCTTCAACCCTCAGACCTGGACGCCGAGCTGAAGCGGCTCTT
 CCGCGAGCGCTATCGGCTGCACCCCAAGTTCGTGGCGGCCGTGCACTACGAGCAGCCAC
 CATCCAGATCGAGCTGCGGCAGAACACGCTCTAAAAGGCCGCGGTGACGTGGATATCGG
 CGATGCCGCTACTACTCCGAGAGGGACATCAAGGGCGAGTCTCTACTTCANGGCCGCGN
 CGGCTGGACTTGCAGCGTGCAGGAGAACCTGCAGGTGGACGCACGCTCATCTATTACT
 GGACGAGATCCCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002353 unedited
 CCTTTGNACCCGGCCGAATTTANGATCGAGTTTTTTTTTTTTTTTTTTTGCCTTTCCCT
 ATTTTATTAATTCGTGTTTTATTTAAAAAATACAGCAACATTCAAAGACAACATAT
 GTACAAACATTTTACAAAAAAGAACATTACCAATATCAGTGGCAGTAAGGGCAAGCTGA
 AGAATAAATAGACTGAGTTTCCGGGCAATGTCTGTCTCAAAGACATCCAACTGCGTTC
 AGGCAGCTGAAACAGGCTTCTTTCCAGTGACAAGCATATGTGGTCAGTAATACAACGA
 TGGTAAATGAGGCTACTACATAGGCCAGTTAACAACCTCCTTCTCCTCGGGTAGGCC
 ATGATACAAGTGGAACTCATAAATAATTTAAACCCAAGGCGATAACAACGCTATTTCCC
 ATCTAACTCATTTAAGCCTTACAATGTCGCAATGGATTGAGTACTTGCAAACGATCC
 CGGGTTGTCATACAGATACTTGTTTTTACACATAACGCTATGCCATCCCTTCTTCACT
 GCCCAGTCAGTTTTCTGTTGTTGGACCGAAAGGGGATACATTNTAGAAATGCTTCTT
 CAAGACAGAAGTGAGAAAGAAAGGAGACCCTGAGGCCAGGATCTATTAACCTGGTGTGT
 CGCAAAGGGGAGGGGAANGCANGAATTTGAAAGGATAACGCTNCTTTGCGCCGAGGAA
 TCAGAGCGTGACTCACTGGGTCTGGGAGATACCGAAATCCCGTACCCACCCACCCTGC
 CCGNCGGGTACCTACAGCTCGGTCTTTCTCAACTCCNCAGTCTTGTATCTCCAATTNCT
 GTACTTNCNGACTTTCTNCGGTGGNGATCACCAGAACGCCATTGCCGCGACNAGGCCAC
 CACNNACACCACNATNACNCGNATNAGGGCCGCCGTGAAGCGCTTCATGGAA

Restriction Sites:

NotI-NotI

ACCN:

NM_002353

Insert Size:

1600 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:	<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:	NM_002353.1 , NP_002344.1
RefSeq Size:	2805 bp
RefSeq ORF:	972 bp
Locus ID:	4070
UniProt ID:	P09758
Cytogenetics:	1p32.1
Domains:	thyroglobulin_1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.[provided by RefSeq, Dec 2009]