

Product datasheet for **SC303284**

Cripto1 (TDGF1) (NM_003212) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cripto1 (TDGF1) (NM_003212) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cripto1
Synonyms:	CR; CR-1; CRGF; CRIPTO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_003212 edited
 AGTTTCCCCTGGACGCTTGGCTCTGCTCTGCTACGACCTTCTGGGGAAAACGAATTTCTC
 TCAATTTCTTCTTAAATTGCCATTTTCGCTTTAGGAGATGAATGTTTTCTTTGGCTGTT
 TTGGCAATGACTCTGAATTAAGCGATGCTAACGCCTTTTTCCCCTAATTGTTAAAAG
 CTATGGACTGCAGGAAGATGGCCCGCTTCTTACAGTGTGATTTGGATCATGGCCATTT
 CTAAGCCTTTGAACTGGGATTAGTTGCCGGCTGGGCCATCAGGAATTTGCTCGTCCAT
 CTCGGGGATACCTGGCCTTCAGAGATGACAGCATTGGCCCCAGGAGAGCCTGCAATTC
 GGCTCGGTCTTCCAGCGTGTGCCGCCATGGGGATACAGCACAGTAAGGAGCTAAACA
 GAACCTGCTGCCTGAATGGGGAACTGCATGCTGGGGTCTTTTGTGCCTGCCCTCCCT
 CCTTCTACGGACGGAAGTGTGAGCACGATGTGCGCAAAGAGAATTGTGGGTCTGTGCCCC
 ATGACACCTGGCTGCCAAGAAGTGTCCCTGTGTAATGCTGGCACGGTCAGCTCCGCT
 GCTTCTCAGGCATTTCTACCCGGCTGTGATGGCCTTGTGATGGATGAGCACCTCGTGG
 CTCCAGGACTCCAGAATAACCACGCTGCGCGTACTACCCTTTTATGCTAGTTGGCA
 TCTGCCTTTCTATACAAAGCTACTATTAATCGACATTGACCTATTTCCAGAAATACAATT
 TTAGATATCATGCAATTTTCATGACCAGTAAAGGCTGCTGCTACAATGCTCCTAACTGAAA
 GATGATCATTTGTAGTTGCCTTAAAATAATGAATACATTTCCAAAATGGTCTCTAACATT
 TCCTTACAGAATACTTCTTACTTCTTTGCCCTGCCCTCTCCAAAAAATACTTCTTTT
 TTCAAAAGAAAGTCAAGCATATCTCATTGTGCCTAAGTCCAGTGTCTTTTTTTTTTTT
 TTTTGTAGACGGAGTCTCACTCTGTCAACCAGGCTGGACTGCAATGACCGCATCTTGGTT
 CACTGCAACCTCCGCATCCGGGGTTCAAGCATTCTCCTGCCTCAGCCTCCCAAGTAACT
 GGGATTACAGGCATGTGTCAACATGCCAGCTAATTTTTTTGATTTTTAGTAGAGATGG
 GGGTTTACCATAATTGGCCAGTCTGGTCTCGAACTCCTGACCTTGTGATCCACTCGCCTC
 AGCCTCTCGAAGTGTGAGATTACACACGTGAGCAACTGTGCAAGGCCTGGTGTCTTTG
 ATACATGTAATTCTACCAAGTCTTCTTAATATGTTCTTTTAAATGATTGAATTATATGT
 TCAGATTATTGGAGACTAATTCTAATGTGGACCTTAGAATACAGTTTTGAGTAGAGTTGA
 TCAAAATCAATTAATAAGTCTCTTTAAAAGGAAAGAAAACATCTTAAGGGGAGGAACC
 AGAGTGTGAAGGAATGGAAGTCCATCTGCGTGTGTGCAGGGAGACTGGGTAGGAAAGAG
 GAAGCAATAGAAGAGAGAGGTTGAAAACAAAATGGGTACTTGTGATTAGGTG
 GTGGTAGAGAAGCAAGTAAAAGGCTAAATGGAAGGGCAAGTTTCCATCATCTATAGAAA
 GCTATATAAGACAAGAAATCCCCTTTTTTTCCCAAAGGCAAAAAAAAAAAAAAAAAAAAA
 AAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003212 unedited
 AGCATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCCATTACGGCCGGGA
 GTTCCCCTGGACGCTTGTCTCTGCTCTGCTACGACCTTCTGGGGAAAACGAATTTCT
 CATTTTCTTCTTAAATTGCCATTTTCGCTTTAGGAGATGAATGTTTTCTTTGGCTGTT
 TGGCAATGACTCTGAATTAAGCGATGCTAACGCCTTTTTCCCCTAATTGTTAAAAGC
 TATGGACTGCAGGAAGATGGCCCGCTTCTTACAGTGTGATTTGGATCATGGCCATTTT
 TAAAGCCTTTGAACTGGGATTAGTTGCCGGCTGGGCCATCAGGAATTTGCTCGTCCATC
 TCGGGGATACCTGGCCTCAGAGATGACAGCATTGGCCCCAGGAGGAGCCTGCAATTCG
 GCCTCGGTCTTCCAGCGTGTGCCGCCATGGGGATACAGCACAGTAAGGAGCTAAACAG
 AACCTGCTGCCTGAATGGGGAACTGCATGCTGGGGTCTTTTGTGCCTGCCCTCCCTC
 CTTCTACGGACGGAAGTGTGAGCACGATGTGCGCAAAGAGAATTGTGGGTCTGTGCCCCA
 TGACACCTGGCTGCCNAGAAGTGTCCCTGTGTAATGCTGGCACGGTCAGCTCCGCTG
 CTTTTCTCAGGCATTTCTACCCGGCTGTGATGCCCTTGTGATGGATGAGCACCTCGTTGC
 TTTTCCAGGACTCCAGAATAACAACGCTCTGCGCGTACTACCCTTTTATGCTAGTTGGCAT
 CTGCCTTTCTTTTCAAAGCTACTATTTAATCGACATTGACCTCATTCCCAGAAATACAT
 TTTAGATATCATGGCAATTTCTTGAACCGTAAAGGCTGCTGCTCAATGGCCTTACTGGA
 AGAGGATCATTTTGGAGTTGCCTTAAATAAGGAAACCTTTCCCAAATGGCT

Restriction Sites: Please inquire
ACCN: NM_003212

Insert Size:	1800 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).
OTI Annotation:	There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. These result in the substitution of 1 aa and insertion of 1 aa.
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_003212.1</u> , <u>NP_003203.1</u>
RefSeq Size:	2033 bp
RefSeq ORF:	567 bp
Locus ID:	6997
UniProt ID:	<u>P13385</u>
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane
Gene Summary:	<p>This gene encodes an epidermal growth factor-related protein that contains a cripto, FRL-1, and cryptic domain. The encoded protein is an extracellular, membrane-bound signaling protein that plays an essential role in embryonic development and tumor growth. Mutations in this gene are associated with forebrain defects. Pseudogenes of this gene are found on chromosomes 2, 3, 6, 8, 19 and X. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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>