

## Product datasheet for **SC303578**

### **TAG1 (CNTN2) (NM\_005076) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAG1 (CNTN2) (NM_005076) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAG1
Synonyms:	AXT; FAME5; TAG-1; TAX; TAX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005076 edited  
 CTCCTCCGATCCCCACCTCTGCCCGACATCCACCATGGGGACAGCCACCAGGAGGAAGC  
 CACACCTGCTGCTGGTAGCTGCTGTGGCCCTTGCTCCTTTCAGCTTGGAGTTCAGCCC  
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005076
<b>Insert Size:</b>	5600 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_005076.2.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_005076.2</a></u> , <u><a href="#">NP_005067.1</a></u>
<b>RefSeq Size:</b>	7650 bp
<b>RefSeq ORF:</b>	3123 bp
<b>Locus ID:</b>	6900
<b>UniProt ID:</b>	<u><a href="#">Q02246</a></u>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)

**Gene Summary:**

This gene encodes a member of the contactin family of proteins, part of the immunoglobulin superfamily of cell adhesion molecules. The encoded glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein plays a role in the proliferation, migration, and axon guidance of neurons of the developing cerebellum. A mutation in this gene may be associated with adult myoclonic epilepsy. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same protein. 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.