

## Product datasheet for SC109513

### CDA08 (ITFG1) (NM\_030790) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDA08 (ITFG1) (NM_030790) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDA08
Synonyms:	2310047C21Rik; CDA08; LNKN-1; TIP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_030790 edited  
 GAATTCGGCACGAGGCGGAAGGGCAGCCCTAGTGGGAGAGAAAAAGGACCGGCAGCG  
 GCTCTTACGCGTCCCGGGCTGCGGCCACTCTCTCGGCCGTAAACGCGGTGCTTTGCGG  
 CTGTCGTCAAGCGCGCGCTTGGGCCGGCGGGGGCTGAGGGGCTGCCATGGCGCGG  
 CGGGCCGGCTCCCGAGCTCCTGGCCCTCTTCTCGCCGCTCCTCGCAGGGCTTGCACTAC  
 TGGGAGTCGGGCCGGTCCAGCGCGGGCGCTGCACAACGTACGCGCCGAGCTCTTTGGG  
 CCGAGGCTGGGGCACCTTGGCGCTTTCGGGGACCTCAACTCCGACAAGCAGACGGATC  
 TCTTCGTGCTGCGGAAAGAAATGACTTAATCGTCTTTTTGGCAGACCAGAATGCACCCT  
 ATTTTAAACCAAAGTAAAGGTATCTTTCAAGAATCACAGTGCATTGATAACAAGTGTAG  
 TCCCTGGGATTATGATGGAGATTCTCAAATGGATGCTCTTCTGACATATCTTCCAAAA  
 ATTATGCCAAGAGTGAATTAGGAGCTGTTATCTTCTGGGGACAAAATCAAACATTAGATC  
 TAAACAATATGACCATACTCAATAGGACTTTTCAAGATGAGCCACTAATTATGGATTTCA  
 ATGGTGATCTAATTCCTGATATTTTTGGTATCACAATGAATCCAACCAGCCACAGATAC  
 TATTAGGAGGAAATTTATCATGGCATCCAGCATTGACCACTACAAGTAAAATGCGAATTC  
 CACATTCTCATGCATTTATTGATCTGACTGAAGATTTTACAGCAGATTTTCTCTGACGA  
 CATTGAATGCCACCACTAGTACCTTCCAGTTTGAATATGGGAAAATTTGGATGGAACT  
 TCTCTGTCAGTACTATATTGGAAAAACCTCAAAATATGATGGTGGTTGGACAGTCAGCAT  
 TTGCAGACTTTGATGGAGATGGACACATGGATCATTACTGCCAGGCTGTGAAGATAAAA  
 ATTGCCAAAAGAGTACCATCTACTTAGTGAGATCTGGGATGAAGCAGTGGGTTCCAGTCC  
 TACAAGATTTTCAGCAATAAGGGCACACTCTGGGGCTTTGTGCCATTTGTGGATGAACAGC  
 AACCAACTGAAATACCAATTCCAATTACCCTTCATATTGGAGACTACAATATGGATGGCT  
 ATCCAGACGCTCTGGTCACTAAAGAACACATCTGGAAGCAACCAGCAGGCCTTTTAC  
 TGGAGAACGTCCTTGTAAATATGCAAGCTGTGAAGAGGCGCGTCAATGTTTAAAGTCT  
 ACTGGGAGCTGACAGACCTAAATCAAATTAAGGATGCCATGGTTGCCACCTTCTTTGACA  
 TTTACGAAGATGGAATCTTGGACATTGTAGTGCTAAGTAAAGGATATACAAAGAATGATT  
 TTGCCATTCATACTAAAAATAACTTTGAAGCAGATGCTTATTTTGTAAAGTTATTG  
 TTCTTAGTGGTCTGTGTTCTAATGACTGTCTCGTAAGATAACACCCCTTTGGAGTGAATC



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AACCTGGACCTTATATCATGTATACAACCTGTAGATGCAAATGGGTATCTGAAAAATGGAT  
 CAGCTGGCCAACCTCAGCCAATCCGCACATTTAGCTCTCCAACCTACCATACAACGTGCTTG  
 GTTTAGGTGCGGAGCGCAAATTTTCTTGACCATCTCTACGTTGGTATTCCTCCGTCATCTG  
 GAGAAAAATCTATACGAAAAACAAGAGTGGACTGCAATCATTCCAAATCCCAGCTAATTG  
 TCATTCCATACCCTCACAAATGTCCTCGAAGTTGGAGTGCCAACTGTATCTTACACCAA  
 GTAATATTGTTCTGCTTACTGCTATAGCTCTCATCGGTGTCTGTGTTTTTCATCTGGCAA  
 TAATTGGCATTTTACATTGGCAGGAAAAAGAAAGCAGATGATAGAGAAAAACGACAAGAAG  
 CCCACCGTTTTCATTTTGATGCTATGTGACTTGCCTTTAATATTACATAATGGAATGGCT  
 GTTCACCTGATTAGTTGAAACACAAATTCTGGCTTGAAAAAATAGGGGAGATTAATATT  
 ATTTATAAATGATGTATCCCATGGTAATTATTGAAAAGTATTCAAATAAATATGGTTTGA  
 ATATGTCACAAGGTCTTTTTTTTTAAAGCACTTTGTATATAAAAAATTTGGGTTCTCTATT  
 CTGTAGTGTGTACATTTTTGTTCTTTGTGGAATGTGTTGCATGTACTCCAGTGTTTGT  
 GTATTTATAATCTTATTTGCATCATGATGATGGAAAAAGTTGTGTAATAAAAAATAATTA  
 AATGAGCAGGAATTTTTGTGCCACTTGACTTGGTCTTGCTTCTATTCTAATGATGCAA  
 ATTATACTTTTGGXX  
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 CCTAGCACAGAGTAAGTGGTCAATATGTGGTAGTTGTCATTATTAATATTTTAGATGATC  
 TTATTAGACTTATACATCTAATTATAGAAATACATAGACTTGATAGAATTTATTTTCAG  
 GCATGAAGAAATATTCTTTGGAAAAGCTAAATTTTGGTGATTGACATAAAGATTTACTT  
 GCTCATATTAACATAAAATATAGTACTCTCCAAGAATTAATGTGCCCTAAAAATTTTCC  
 TCCAAAAACTTATCCTTATCATGTGATAATGAAGAACATTTGATTTCTTGAAAGGAACT  
 GCTGTAGGCAGCATCTGGGAATGCAAATCTTCAATCACATTTCTATTCTCAAACACTTGG  
 AGAAGTCTATAATTTACATTCAGACTTCAATGCAAATTTGTATTGTGAACCTCACATTT  
 CCAAAAAGTTACTTTAAAAAGACTTTAAGACTGAAAAAAAAGTTTATCAATGCTAATA  
 ATTTTCTAGTATGCAAATGGACATGTGATGCCTATAAAACACAAAAATTTCTCTGAAAAAC  
 AATTTTGTCTTATTTTTTTCTTTATAGTTCACTGAGATTGGCATGTGTTTTTACTTTGT  
 ATCTAAGCATGTTAACATGTCTTCTTAATAAATATTCCTTATTGAAACAAAAA  
 AAAAAACTCGAC

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_030790 unedited  
 CATATTTGTAAACGACTCACTATAGGGNCGGCCGCGCAATTTCGGCACGAGGGCGGAGGG  
 CAGCCCTAGTGGGAGAGAGAAAAAGAGCCGGCAGCGGCTTTACGCGTCCCGGGGCTGCG  
 CGCCACTCTCTCGGCCGTAACGCGGTGCTTTGCGGCTGTGTCGCAAGCGCGGCGTTGGGC  
 CGGCGGGCGGGGCTGAGGGGCTGCCATGGCGGCGGGGCCGGCTCCCGAGCTCCTGGG  
 CCCTCTTCTCGCCGCTCCTCGCAGGGCTTGCACTACTGGGAGTCGGGCCGGTCCCAGCGC  
 GGGCGTGCACAACGTCACGGCCGAGCTCTTTGGGGCCGAGGCCCTGGGGACCCTTGCGG  
 CTTTCGGGGACCTCAACTCCGACAAGCAGACGGATCTCTTCGTGCTGCGGAAAGAAATG  
 ACTTAATCGTCTTTTTGGCAGACCAGAATGCACCCTATTTTAAACCCAAAGTAAAGGTAT  
 CTTTCAAGAATCACAGTGCATTGATAACAAGTGTAGTCCCTGGGATTATGATGGAGATT  
 CTCAAATGGATGTCCTTCTGACATATCTTCCCACAAATTATGCCAAGAGTGAATTTACGA  
 GCTGTTATCTTCTGCGGACANAATCAAACATTAGATCCTAACAATATGACCATACTCAAT  
 AGGACTTTTCAAGATGAGCCACTTAATTATGCATTTCAATGGTGATCTAATTCCTGATAT  
 TTTTGGTATCACAAATGAATCCCACCAGCCACAGAACTATTANGAGGAAATTTATCATG  
 GCATTACGCTTGACCACTACAAGTTAAATGCGAATCCCACAATTTTATGCATTTATTGA  
 CCGGACTGAAAAATTTACCGCAGATCTTATTCTGACGAACCTGGATGGCACCATAAA  
 CTTTCCATTGAAAAATGAAAAATTTGGAAGAACTCCTTTGTGCGACCAAAAT

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_030790 unedited GGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTTCATAAGGAATATTTAT TAAGAAGACATGTTAACATGCTTAGATACAAAGTAAAAACACATGCCAATCTCAGTGAAC TATAAAGAAAAAATAAGAACAAAATTGTTTTTCAGAGAAATTTTGTGTTTTATAGGCAT CACATGTCATTTGCATACTAGAAAATTATTAGCATTGATAAACTTTTTTTTTTTCAGTCT TAAAGCTTTTTAAAGTAACTTTTTGGAAATGTGAAGTTCACAATACAAAATTTGCATTG AAGTCTGAATGTAAATTATAGACTTCTCCAAGTGTGAGAATAGAAATGTGATTGAAGA TTTGCATTCCCAGATGCTGCCTACAGCAGTTTCTTTCAAGAAATCAAATGTTCTTCATT ATCACATGATAAGGATAAGTTTTTGGAGGAAAATTTTAGGGCACATTAATTCCTGGAGA GTAATAATTTTTAGTTAATATGAGCAAGTAAATCTTTATGTCAATCACCAAAAATTTA GCTTTTCAAAGAATATTTCTTCATGCCTGAAAATAAAATTTCTATCAAGTCTATGTATTT CTATAATTAGATGTATAAGTCTAATAAGATCATCTAAAATATTAATAATGACAACTACCA CATATTGACCACTACTCTGTGCTAAGCACCAAGCTAAGCACTTCACATACATCATCCCA TTAATGTTTACAGTAACTCAAGTATTAGCCCCACTGAATAAACAGGAAAATGAGGTTT ACAGAGGTTTAAACAAAGGCCAGTTCANACAATGACTTTTGTAGTGGGTGAATTANGAGT TTAAGGCAGTCTGTCTTACGGTGTACAGTACAGTACCCGATCACTTATTGNATGCATC AGTGAGACCCTGACCTGCTGGATGAGCTGAATGCTAATGACTCGGAATATTCACAAGTGT ATTTGCTCATAGATTAGAGCAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_030790
<b>Insert Size:</b>	3580 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>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_030790.2</a></u> , <u><a href="#">NP_110417.2</a></u>
<b>RefSeq Size:</b>	2262 bp
<b>RefSeq ORF:</b>	1839 bp
<b>Locus ID:</b>	81533
<b>UniProt ID:</b>	<u><a href="#">Q8TB96</a></u>
<b>Cytogenetics:</b>	16q12.1
<b>Domains:</b>	FG-GAP

**Protein Families:** Secreted Protein, Transmembrane

**Gene Summary:** Modulator of T-cell function. Has a protective effect in graft versus host disease model (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).