

## Product datasheet for **RG204773**

### **CDA08 (ITFG1) (NM\_030790) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CDA08 (ITFG1) (NM_030790) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDA08
Synonyms:	2310047C21Rik; CDA08; LNKN-1; TIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG204773 representing NM\_030790  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGCGGGCCGGCTCCCGAGCTCTGGGCCCTTCTCGCCGCTCTCGCAGGGCTTGCACTAC  
 TGGGAGTCGGGCCGGTCCAGCGCGGGCGCTGCACAACGTACCGCCGAGCTCTTTGGGGCCGAGGCCTG  
 GGGCACCTTGGCGCTTTTCGGGGACCTCAACTCCGACAAGCAGACGGATCTCTCGTGCTGCGGAAAGA  
 AATGACTTAATCGTCTTTTGGCAGACCAGAATGCACCCTATTTAAACCCAAAGTAAAGGTATCTTTCA  
 AGAATCACAGTGCATTGATAACAAGTGTAGTCCCTGGGATTATGATGGAGATTCTCAAATGGATGTCTT  
 TCTGACATATCTCCAAAAATTATGCCAAGAGTGAATTAGGAGCTGTTATCTTCTGGGGACAAAATCAA  
 ACATTAGATCCTAACAAATAGACCATACTCAATAGGACTTTTCAAGATGAGCCACTAATTATGGATTTC  
 ATGGTGATCTAATTCCTGATATTTTGGTATCACAAATGAATCCAACCAGCCACAGATACTATTAGGAGG  
 GAATTTATCATGGCATCCAGCATTGACCACTACAAGTAAATGCGAATTCACATTCTCATGCATTTATT  
 GATCTGACTGAAGATTTTACAGCAGATTTATTCCTGACGACATTGAATGCCACCCTAGTACCTTCCAGT  
 TTGAAATATGGGAAAATTTGGATGGAACTTCTCTGTCAGTACTATATTGGAAAACTCAAATATGAT  
 GGTGGTTGGACAGTCAGCATTTCAGACTTTGATGGAGATGGACACATGGATCATTTACTGCCAGGCTGT  
 GAAGATAAAAAATTGCCAAAAGAGTACCATCTACTTAGTGAGATCTGGGATGAAGCAGTGGGTTCCAGTCC  
 TACAAGATTTTCAGCAATAAGGGCACACTCTGGGGCTTTGTGCCATTTGTGGATGAACAGCAACCAACTGA  
 AATACCAATTCGAATACCTTCATATTGGAGACTACAATATGGATGGCTATCCAGACGCTCTGGTCATA  
 CTAAGAAGCACATCTGGAAGCAACCAGCAGGCCCTTTTACTGGAGAACGTCCTTGTAAATGCAAGCT  
 GTGAAGAGCGCGTCGAATGTTTAAAGTCTACTGGGAGCTGACAGACCTAAATCAAATTAAGGATGCCAT  
 GGTTGCCACCTTCTTTGACATTTACGAAGATGGAATCTTGACATTTGATGCTAAGTAAAGGATATACA  
 AAGAATGATTTTGCATTACATACTAAAAATACTTTGAAGCAGATGCTTATTTTGTAAAGTTATTG  
 TTCTTAGTGGTCTGTGTTCTAATGACTGTCTCGTAAGATAACACCCTTTGGAGTGAATCAACCTGGACC  
 TTATATCATGTATACAACTGTAGATGCAATGGGTATCTGAAAAATGGATCAGCTGGCCAACTCAGCCAA  
 TCCGCACATTTAGCTCTCAACTACCATAACAACGTGCTTGGTTTGGTTCGGAGCGCAATTTTCTTGACC  
 ATCTCTACGTTGGTATTTCCCGTCCATCTGGAGAAAAATCTATACGAAAAAAGAGTGGACTGCAATCAT  
 TCCAAATCCCAGCTAATTGTCATTCCATACCCTACAATGTCCCTCGAAGTTGGAGTGCCAAACTGTAT  
 CTTACACCAAGTAATATTGTTCTGCTTACTGCTATAGCTCTCATCGGTGTCTGTGTTTTATCTTGCA  
 TAATTGGCATTTTACATTGGCAGGAAAAGAACAGATGATAGAGAAAAACGACAAGAAGCCACCGGTT  
 TCATTTTGATGCTATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG204773 representing NM\_030790  
 Red=Cloning site Green=Tags(s)

MAAAGRLPSSWALFSPLLAGLALLGVGPVPARALHNVTAELFGAEAWGTLAAFGLNSDKQTDLFVLRER  
 NDLIIVFLADQNAPYFKPKVKVSFKNHSALITSVVPGDYDGSQMDVLLTYLPKNYAKSELGAVIFWQONQ  
 TLDPNNMTILNRTFQDEPLIMDFNGDLIPDIFGITNESNPQIILLGGLNSWHPALTTTSMRIPHSAFI  
 DLTEDFTADLFLTTLNATTSTFQFEIENLDGNFVSSTILEKPNMMVVGQSAFADFDDGDHMDHLLPGC  
 EDKNCQKSTIYLVRSQGMKQWVPLQDFSNKGLWGFVFPVDEQQPTEIPIPIITLHIGDYNMDGYPDALVI  
 LKNTSGSNQQAFLLENVPCNNASCEEARRMFKVYWELTDLNQIKDAMVATFFDIYEDGILDIVVLSKGYT  
 KNDFAIHTLKNFEADAYFVKVIVLSGLCSNDCPRKITPFGVNPQPGYIMYTTVDANGYLKNGSAGQLSQ  
 SAHLALQLPYNVGLGRSANFLDHLVYVGIIPRPSGEKSIRKQEWTAIIPNSQLIVIPYPHNVPRSWAKLY  
 LTPSNIVLLTAIALIGVCFILAIIGILHWQEKKADDREKRQEAHRHFHDAM

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_030790

**ORF Size:** 1836 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_030790.5](#)

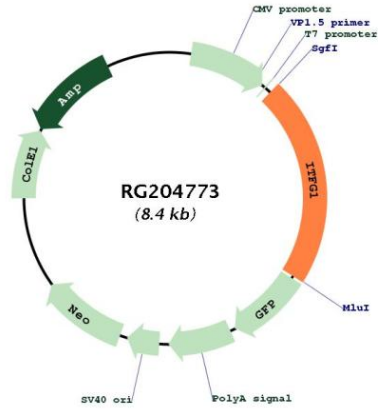
**RefSeq Size:** 2262 bp

**RefSeq ORF:** 1839 bp

**Locus ID:** 81533

UniProt ID: [Q8TB96](#)  
 Cytogenetics: 16q12.1  
 Domains: 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]

**Product images:**



Circular map for RG204773