

## Product datasheet for **MG216349**

### **Cd226 (NM\_001039149) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd226 (NM_001039149) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd226
Synonyms:	BC051526; DNAM-1; DNAM1; Pta1; TLISA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216349 representing NM_001039149 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTATGTTACTTGGCTTTTGGCTATTCTTCATGTGCACAAAGATAGTTTTGAGATAGCAGCACCCCT  
CGGATAGCTACCTGTCTGCAGAACCTGGACAAGATGTCACACTCACTTGCCAGCTTCCAAGGACTTGGCC  
AGTGCAACAAGTCATATGGGAAAAGTCCAGCCCATCAGGTAGACATCTAGCTTCTGTAACCTATCT  
CAAGAGACAAGATACACTTCAAAGTACCTAAGACAAACAAGGAGCAACTGTAGCCAGGGGAGCATGAAGA  
GCATCCTCATCATTCAAATGCCATGGCCGCTGACTCAGGACTTTACAGATGTCGCTCAGAGGCCATTAC  
AGGAAAAACAAGTCCTTTGTCATAAAGGCTGATCATAACTGATGGTGAACCAATAAACATTTTATCCTT  
CCCATCGTTGGAGGGTTAGTTTCACTGTTACTTGTTCATCCTAATTATCATCATTTTCATTTTATATAACA  
GGAAGAGACGGAGACAGGTGAGAATCCACTTAAAGAGCCAGGGATAAACAGAGTAAGGTAGCCACCAA  
CTGCAGAAGTCCTACTTCTCCATCCAGTCTACAGATGATGAAAAAGAGGACATTTATGTAACCTATCCA  
ACTTTCTCTCGAAGACAAAACCAAGACTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216349 representing NM\_001039149  
Red=Cloning site Green=Tags(s)

MAYVTWLLAILHVHKDSFEIAAPSDSYLSAEPGQDVTLCQLPRTWPVQVQVIWEKVQPHQVDILASCNLS  
 QETRYTSKYLRQTRSNCSSQGSMSILIIIPNAMAADSGLYRCRSEAITGKNKSFVIRLIITDGGTNKHFIL  
 PIVGGLVSLLLVILIIIFILYNRKRRRQVRIPLKEPRDKQSKVATNCRSPTSPIQSTDDEKEDIYVNY  
 TFSRRPKPRL

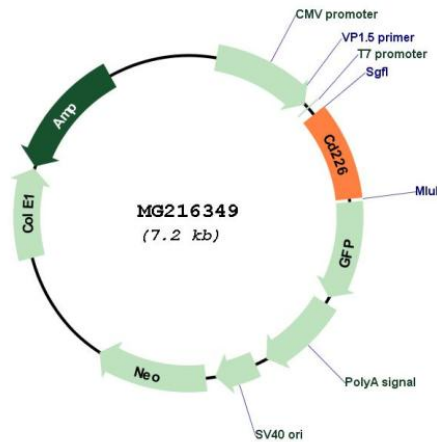
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001039149

**ORF Size:** 660 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001039149.1</a> , <a href="#">NP_001034238.1</a>
<b>RefSeq Size:</b>	2148 bp
<b>RefSeq ORF:</b>	663 bp
<b>Locus ID:</b>	225825
<b>Cytogenetics:</b>	18 E4
<b>Gene Summary:</b>	Involved in intercellular adhesion, lymphocyte signaling, cytotoxicity and lymphokine secretion mediated by cytotoxic T-lymphocyte (CTL) and NK cell. Cell surface receptor for NECTIN2. Upon ligand binding, stimulates T-cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13, and IFNG. Competes with PVRIG for NECTIN2-binding. [UniProtKB/Swiss-Prot Function]