

Product datasheet for **MG226896**

Ctla4 (NM_009843) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctla4 (NM_009843) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ctla4
Synonyms:	Cd152; Ctla; Ctla-4; Ly-5; Ly-56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226896 representing NM_009843 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTGCTTTGGACTCCGGAGGTACAAAGCTCAACTGCAGCTGCCTTCTAGGACTTGGCCTTTTGTAG
CCCTGCTCACTCTTCTTTTCATCCAGTCTTCTCTGAAGCCATACAGGTGACCCAACCTTCAGTGGTGT
GGCTAGCAGCCATGGTGTGCCAGCTTCCATGTGAATATTCACCGTCACACAACACTGATGAGGTCGG
GTGACTGTGCTGCGGCAGACAAATGACCAAATGACTGAGGTCTGTGCCACGACATTCACAGAGAAGAATA
CAGTGGGCTTCTAGATTACCCCTTCTGCAGTGGTACCTTTAATGAAAGCAGAGTGAACCTCACCATCCA
AGGACTGAGAGCTGTTGACACGGGACTGTACCTCTGCAAGGTGGAACATGTACCCACCGCCATACTTT
GTGGGCATGGGCAACGGGACGCAGATTTATGTCATTGATCCAGAACCATGCCCGATTCTGACTTCTCC
TTTGGATCCTTGTGCGAGTTAGCTTGGGGTTGTTTTTTACAGTTTCTGGTCACTGCTGTTTCTTTGAG
CAAGATGCTAAAGAAAAGAAGTCCTCTTACAACAGGGGTCTATGTGAAAATGCCCCCAACAGAGCCAGAA
TGTGAAAAGCAATTCAGCCTTATTTTATCCCATCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226896 representing NM_009843
 Red=Cloning site Green=Tags(s)

MACLGLRRYKAQLQLPSRTWPFVALLLLFIPVFSEAIQVTQPSVVLASSHGVASFPCEYSPSHNTDEV
 RVTVLRQTNMQMTEVCATTFTEKNTVGFLLDYPFCSGTFNESRVNLTIQGLRAVDTLGLYLCKVELMYPPPYF
 VGMGNGTQIYVIDPEPCPDSDFLLWILVAVSLGLFFYSFLVTAVSLSKMLKKRSPLTTGVYVKMPPTPE
 CEKQFQPYFIPIN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009843

ORF Size: 669 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.

RefSeq: [NM_009843.2](#)

RefSeq ORF: 672 bp

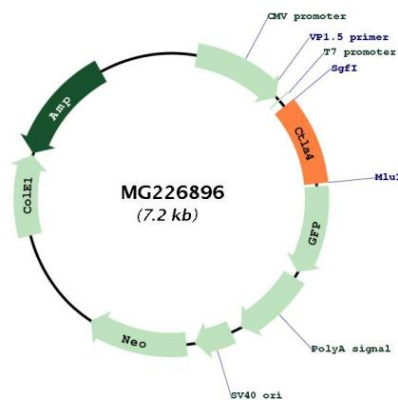
Locus ID: 12477

UniProt ID: [P09793](#)

Cytogenetics: 1 30.58 cM

Gene Summary: This gene is a member of the immunoglobulin superfamily, and encodes a protein that functions as a negative regulator of T-cell responses. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2013]

Product images:



Circular map for MG226896