

Product datasheet for **MR228286**

Ctla4 (NM_001281976) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctla4 (NM_001281976) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ctla4
Synonyms: Cd152; Ctla; Ctla-4; Ly-5; Ly-56
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228286 representing NM_001281976
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTGCTTGGACTCCGGAGGTACAAAGCTCAACTGCAGCTGCCTTCTAGGACTTGGCCTTTTGTAG
CCCTGCTCACTCTTCTTTTCATCCAGTCTTCTCTGAAGCCATACAGGTGACCCAACCTTCAGTGGTGT
GGCTAGCAGCCATGGTGTGCCAGCTTTCCATGTGAATATTCACCATCACACAACACTGATGAGGTCGG
GTGACTGTGCTGCGGCAGACAAATGACCAAATGACTGAGGTCTGTGCCACGACATTACAGAGAAGAATA
CAGTGGGCTTCTAGATTACCCCTTCTGCAGTGGTACCTTTAATGAAAGCAGAGTGAACCTCACCATCCA
AGGACTGAGAGCTGTTGACACGGGACTGTACCTCTGCAAGGTGGAACATGTACCCACCGCCATACTTT
GTGGGCATGGGCAACGGGACGCAGATTTATGTCATTGCTAAAGAAAAGAAGTCTCTTACAACAGGGGTC
TATGTGAAAATGCCCCAACAGAGCCAGAATG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228286 representing NM_001281976
Red=Cloning site Green=Tags(s)

MACLGLRRYKAQLQLPSRTWPFVALLLLFIPVFSEAIQVTQPSVVLASSHGVSFPCEYSPSHNTDEV
VTVLRQTNQMTVEVCATTFTEKNTVGFLDYDFCSGTFNESRVNLTIQGLRAVDTLGLYLCKVELMYPYPY
VGMNGTQIYVIAKEKSSYNRGLCENAPNRARM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

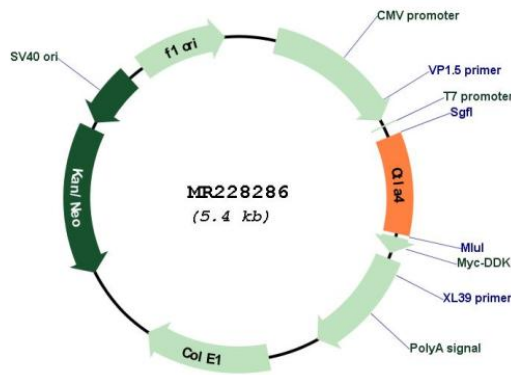
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001281976

ORF Size: 522 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:	<ol style="list-style-type: none">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:	<u>NM_001281976.1</u> , <u>NP_001268905.1</u>
RefSeq Size:	1823 bp
RefSeq ORF:	525 bp
Locus ID:	12477
Cytogenetics:	1 30.58 cM
MW:	19.9 kDa
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]