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Product datasheet for MC226075

Ctla4 (NM_001281976) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctla4 (NM_001281976) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctla4
Synonyms:	Cd152; Ctla; Ctla-4; Ly-5; Ly-56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC226075 representing NM_001281976
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTGTCTTGGACTCCGGAGGTACAAAGCTCAACTGCAGCTGCCTTCTAGGACTTGGCCTTTTGTAG
CCCTGCTCACTCTTCTTTTCATCCCAGTCTTCTCTGAAGCCATACAGGTGACCCAACCTTCAGTGGTGTT
GGCTAGCAGCCATGGTGTCGCCAGCTTTCCATGTGAATATTCACCATCACACAACACTGATGAGGTCCGG
GTGACTGTGCTGCGGCAGACAAATGACCAAATGACTGAGGTCTGTGCCACGACATTCACAGAGAAGAATA
CAGTGGGCTTCCTAGATTACCCCTTCTGCAGTGGTACCTTTAATGAAAGCAGAGTGAACCTCACCATCCA
AGGACTGAGAGCTGTTGACACGGGACTGTACCTCTGCAAGGTGGAACTCATGTACCCACCGCCATACTTT
GTGGGCATGGGCAACGGGACGCAGATTTATGTCATTGCTAAAGAAAAGAAGTCCTCTTACAACAGGGGTC
TATGTGAAAATGCCCCCAACAGAGCCAGAATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001281976
Insert Size:	525 bp
OTI Disclaimer:	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).

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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001281976.1, NP_001268905.1
RefSeq Size:	1823 bp
RefSeq ORF:	525 bp
Locus ID:	12477
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] Transcript Variant: This variant (2) lacks the penultimate coding exon, which results in a frame-shift and early translation termination compared to variant 1. The resulting shorter isoform (2, also known as sCTLA-4) with a distinct C-terminus, lacks the transmembrane domain and is secreted (PMIDs: 10831323, 23400950).

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