

Product datasheet for **SC330077**

CD28 (NM_001243078) Human Untagged Clone

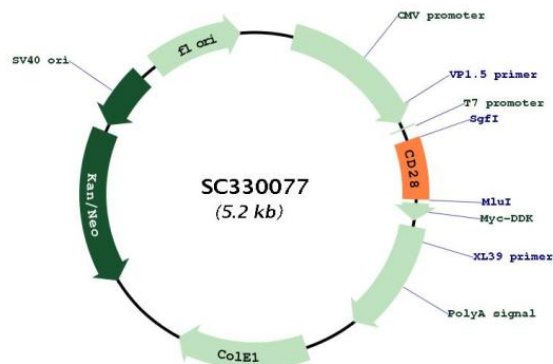
Product data:

Product Type: Expression Plasmids
 Product Name: CD28 (NM_001243078) Human Untagged Clone
 Tag: Tag Free
 Symbol: CD28
 Synonyms: Tp44
 Vector: pCMV6-Entry (PS100001)
 Fully Sequenced ORF: >SC330077 representing NM_001243078.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTCAGGCTGCTCTTGGCTCTCAACTTATTCCTTCAATTCAAGTAACAGGAAACACCTTTGTCCA
AGTCCCCTATTTCCCGGACCTTCTAAGCCCTTTTGGGTGCTGGTGGTGGTGGTGGAGTCCTGGCTTGC
TATAGCTTGCTAGTAACAGTGGCCTTTATTATTTCTGGGTGAGGAGTAAGAGGAGCAGGCTCCTGCAC
AGTGACTACATGAACATGACTCCCGCCGCCCGGGCCACCCGCAAGCATTACCAGCCCTATGCCCA
CCACGCGACTTCGCAGCCTATCGCTCCTGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001243078

Insert Size: 306 bp



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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).
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:	NM_001243078.1
RefSeq Size:	4543 bp
RefSeq ORF:	306 bp
Locus ID:	940
UniProt ID:	P10747
Cytogenetics:	2q33.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Allograft rejection, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus erythematosus, T cell receptor signaling pathway, Type I diabetes mellitus, Viral myocarditis
MW:	11.5 kDa
Gene Summary:	<p>The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2011]</p> <p>Transcript Variant: This variant (3) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (3) missing an internal protein segment compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>