

Product datasheet for **SC329858**

B7-2 (CD86) (NM_001206924) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: B7-2 (CD86) (NM_001206924) Human Untagged Clone
Tag: Tag Free
Symbol: B7-2
Synonyms: B7-2; B7.2; B70; CD28LG2; LAB72
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329858 representing NM_001206924.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGATCCCCAGTGCACTATGGGACTGAGTAACATTCTCTTTGTGATGGCCTTCCTGCTCTCTGCTAAC
TTCAGTCAACCTGAAATAGTACCAATTTCTAATAAACAGAAAATGTGTACATAAATTTGACCTGCTCA
TCTATACACGGTTACCCAGAACCTAAGAAGATGAGTGTGTTTGTCTAAGAACCAAGAATTCAACTATCGAG
TATGATGGTATTATGCAGAAATCTCAAGATAATGTCACAGAACTGTACGACGTTTCCATCAGCTTGCT
GTTTCATTCCCTGATGTTACGAGCAATATGACCATCTTCTGTATTCTGAAAAGTACAAGACGCGGCTT
TTATCTTCACCTTCTCTATAGAGCTTGAGGACCCTCAGCCTCCCCAGACCACATTCCTTGATTACA
GCTGTACTTCCAACAGTTATTATATGTGTGATGTTTTCTGTCTAATTCTATGAAATGGAAGAAGAAG
AAGCGGCCTCGCAACTCTTATAAATGTGGAACCAACAATGGAGAGGGAAGAGAGTGAACAGACCAAG
AAAAGAGAAAAATCCATATACCTGAAAGATCTGATGAAGCCAGCGTGTTTTTAAAAGTTCGAAGACA
TCTTCATGCGACAAAAGTGATACATGTTTTAA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001206924
Insert Size: 654 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).
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).



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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_001206924.1
RefSeq Size:	2399 bp
RefSeq ORF:	654 bp
Locus ID:	942
UniProt ID:	P42081
Cytogenetics:	3q13.33
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane
Protein Pathways:	Allograft rejection, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus erythematosus, Toll-like receptor signaling pathway, Type I diabetes mellitus, Viral myocarditis
MW:	24.8 kDa
Gene Summary:	<p>This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.[provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.</p>