OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC201908

PD-L1 (Cd274) (NM_021893) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PD-L1 (Cd274) (NM_021893) Mouse Untagged Clone
Symbol:	PD-L1
Synonyms:	A530045L16Rik; B7h1; PD-; Pdcd1l; Pdcd1l1; Pdcd1lg1; Pdl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC201908 representing NM_021893. Blue=ORF Red=Cloning site Green=Tag(s) CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCG CGCCAGATCTCAAGCTTAACTAGCTAGCGGACCGAC ATGAGGATATTTGCTGGCATTATATTCACAGCCTGCTGTCACTTGCTACGGGCGTTTACTATCACGGCT CCAAAGGACTTGTACGTGGTGGAGTATGGCAGCAACGTCACGATGGAGTGCAGATTCCCTGTAGAACGG GAGCTGGACCTGCTTGCGTTAGTGGTGTACTGGGAAAAGGAAGATGAGCAAGTGATTCAGTTTGTGGCA GGAGAGGAGGACCTTAAGCCTCAGCACAGCAACTTCAGGGGGAGAGCCTCGCTGCCAAAGGACCAGCTT TTGAAGGGAAATGCTGCCCTTCAGATCACAGACGTCAAGCTGCAGGACGCAGGCGTTTACTGCTGCATA ATCAGCTACGGTGGTGCGGACTACAAGCGAATCACGCTGAAAGTCAATGCCCCATACCGCAAAATCAAC CAGAGAATTTCCGTGGATCCAGCCACTTCTGAGCATGAACTAATATGTCAGGCCGAGGGTTATCCAGAA GCTGAGGTAATCTGGACAAACAGTGACCACCAACCCGTGAGTGGGAAGAGAAGTGTCACCACTTCCCGG ACAGAGGGGATGCTTCTCAATGTGACCAGCAGTCTGAGGGTCAACGCCACAGCGAATGATGTTTTCTAC TGTACGTTTTGGAGATCACAGCCAGGGCAAAACCACACAGCGGAGCTGATCATCCCAGAACTGCCTGCA ACACATCCTCCACAGAACAGGACTCACTGGGTGCTTCTGGGATCCATCCTGTTGTTCCTCATTGTAGTG TCCACGGTCCTCCTCTTCTTGAGAAAACAAGTGAGAATGCTAGATGTGGAGAAATGTGGCGTTGAAGAT ACAAGCTCAAAAAACCGAAATGATACACAATTCGAGGAGACGTAA ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAG GATGACGACGATAAGGTTTAAACGGCCGGCCGCGGT
Restriction Sites:	RsrII-NotI
ACCN:	NM_021893
Insert Size:	873 bp

View online »

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC066841
RefSeq Size:	3653 bp
RefSeq ORF:	873 bp
Locus ID:	60533
UniProt ID:	Q9EP73
Cytogenetics:	19 C1
MW:	32.8 kDa
Gene Summary:	The protein encoded by this gene is an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Mice deficient for this gene display a variety of phenotypes including decreased allogeneic fetal survival rates and severe experimental autoimmune encephalomyelitis. [provided by RefSeq, Sep 2015]