

Specifications:

Gene:	hCD1A
Accession:	AAA51931
Insert size:	997bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

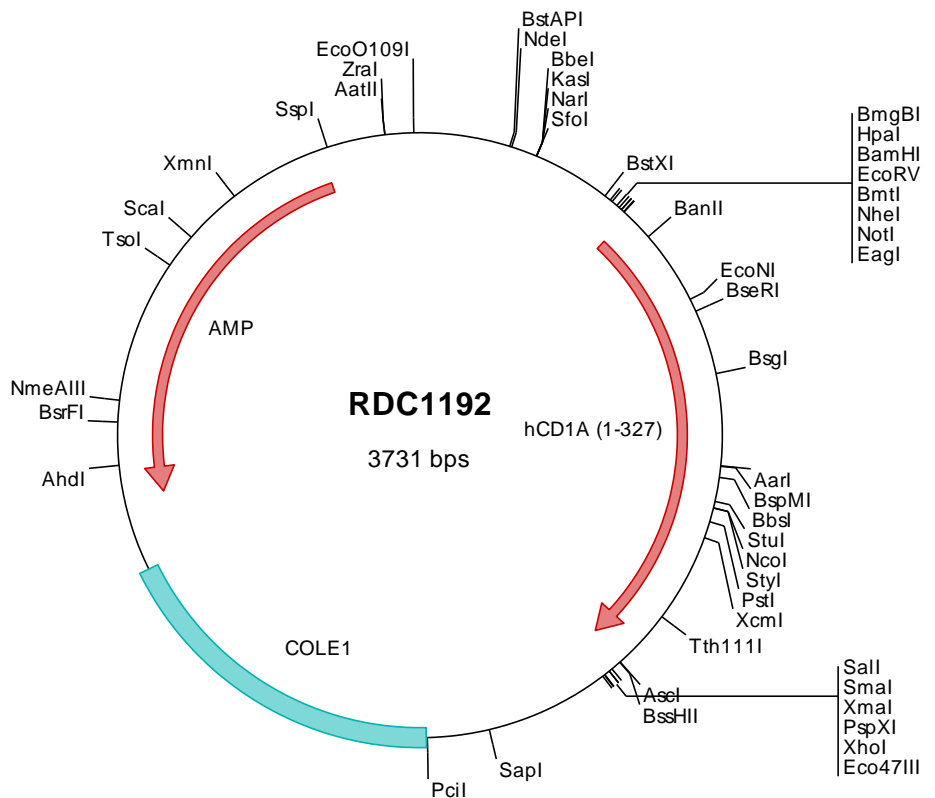
hCD1a cDNA Plasmid

CD1A CD1a molecule [*Homo sapiens* (human)]

Also known as: R4; T6; CD1; FCB6; HTA1

Summary:

CD1A is a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. CD1A localizes to the plasma membrane and to recycling vesicles of the early endocytic system. It is expressed by most non-human mammals but not by mice or rats. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1192 Plasmid DNA Sequence

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1   tcgctgcttt  cggatgatgac  ggtgaaaacc  tetgacacat  gcaagctccc  gagacggtea  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC1192 Translated Insert Sequence

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