

Specifications:

Gene:	hCD97
Accession:	NP_510966
Insert size:	2520bp
Concentration:	10µg at 0.2µg/µL

hCD97 cDNA Plasmid

CD97 CD97 molecule [*Homo sapiens*]

Also known as: TM7LN1

Summary:

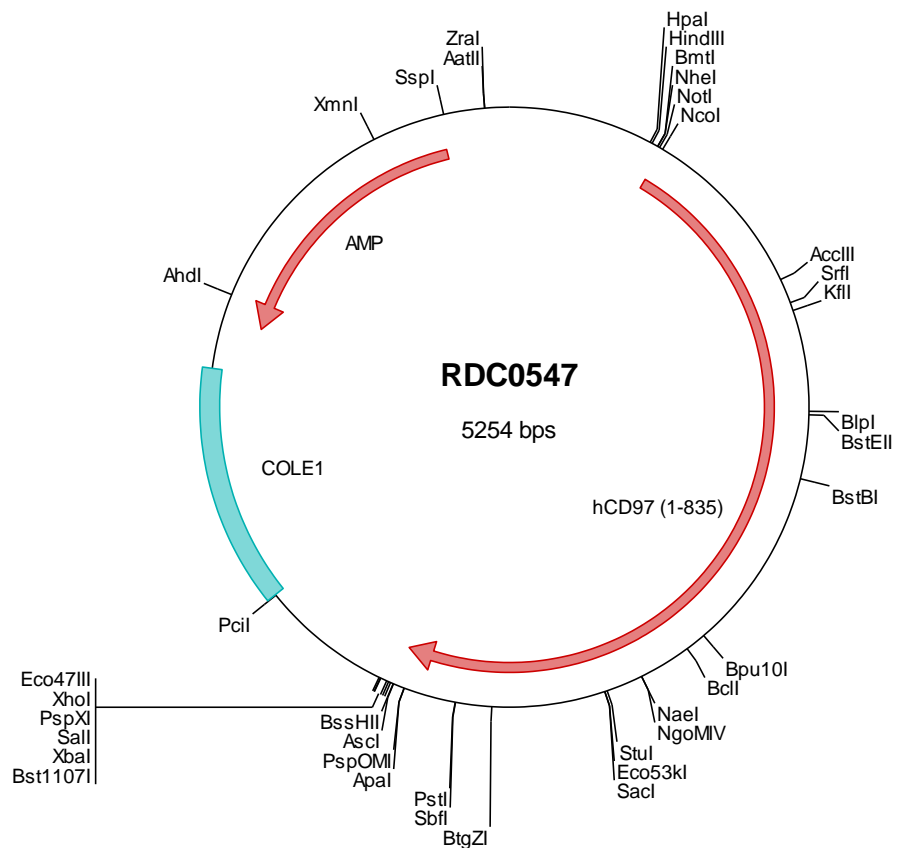
CD97 is a member of the EGF-TM7 subfamily of adhesion G protein-coupled receptors, which mediate cell-cell interactions. CD97 may play a role in cell adhesion as well as leukocyte recruitment, activation and migration, and contains multiple extracellular EGF-like repeats which mediate binding to chondroitin sulfate and the cell surface complement regulatory protein CD55. Alternatively spliced transcript variants encoding multiple isoforms with 3 to 5 EGF-like repeats have been observed.

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.





> RDC0547 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat ggaagctccc gagagcggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgc aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgcacc atgggagggc gctgtttct cgcattctgt gtctggctga ctctgocggg
501 agctgaaacc caggactcca gggctgtgct ccggtggtgc cctcagaact cctcgtgtgt caatgcccgc gctgtctgct gcaatccagg gttcagctct
601 tttctgaga tcataccac ccgacggag acttgtgacg acatcaacga gtgtgcaaca ccgtcgaaag tgtcatgocg aaaattctcg gactgtgga
701 acacagaggg gagctacagc tgcgtgtgca gcccgggata tgagcctggt tctggggcaa aaacattcaa gaatgagagc gagaacacct gtaacagatg
801 ggagcaattc cagcagaacc caaggctctg taaaagctac ggaacctcgc tcaacacctc tggcagctat acctgcccag cctgocctgg cttaagttc
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1501 acctacattt ccccttcgaa cacagagctg acctgatgta tccaggagcg gggggacaag aactgcaacta tgggtcagag cagcgcaacc atgaagctga
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1701 cctgcaattc aagaagcaag ccaagactgga gaaagcagca tccgtgtgtg tcaactcaga ccactctctg ccaactcaga cgtgocctgg cttaagttc
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> RDC0547 Translated Insert Sequence

1 mggrrvflafc vwltlpgaet qdsrgcarwc pgnsscvnat acrcnpgfss fseiittpte tcdlinecat pskvscgkfs dcwnntegsyd cvcspgyevp
101 sgaktfknes entcdqdvdc qnprlcksy gtcvntlgsy tcqclpgfkf ipedpkvctd vnectsgqnp chssthlcn vgsyqcrp gwqpgpspn
201 gpnntvcedv decssgqhqc dsstvcfntv gsysrcrcrp wkprhgipnn qkdtvcedmt fstwtpppgv hsqtlrffid kvqdlgrsk tssaevtiqn
301 viklvdelme apgdvealap pvrhliatql lsnledimri laksplkppf tyispsntel tlmigergdk nvtmgqssar mklnwavaag aedpgpavag
401 ilsiqnmttl lanaslnlhs kkaeleey essirgvqlr rlsavnsifl shntkelns pilfafshle ssdgeagrdp pakdvmpppr qellcafawks
501 dsdrghwat egcqvlgskn gsttcqcsnl sssfailmahy dvedwklkli trvglalslf clllciltfl lvrpiqgsrt tihhlclcl fvgstiflag
601 ieneggvgvl rcrilvagllh ycfllaafcw slegllyfl vrvvfqgggl strwlcligy gvpllivgvs aaiyskgyr prywldfeq gflwsflgvp
701 tfiilcnavi fvttvwlktq kfseinpdmk klkkaralti taiaqlfllg ctwvfglfif ddrslvltyv ftlilnclqga flyllhclln kvvreyrkw
801 aclvaggsky seftsttsqt ghnqtralra sesgi