

Specifications:

Gene:	cynolL4I1
Accession:	XP_005590038
Insert size:	1717bp
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.

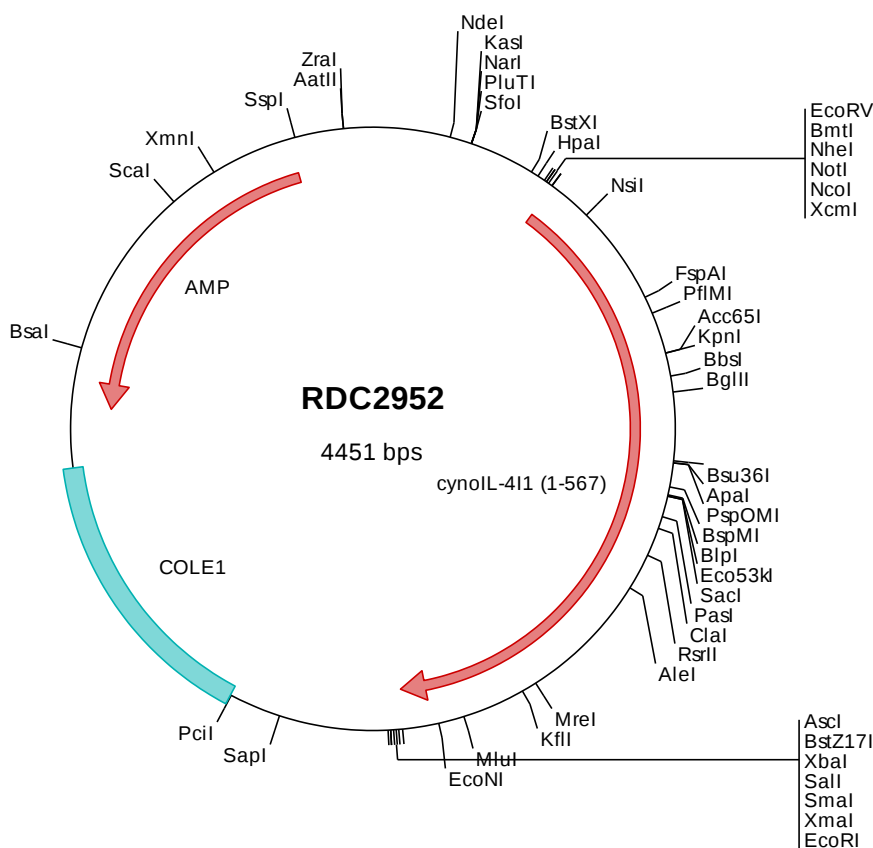
cynolL-4I1 cDNA Plasmid

IL4I1 interleukin 4 induced 1
[*Macaca fascicularis* (crab-eating macaque)]

Also known as: LAO; FIG1; LAAO

Summary:

IL-4I1 belongs to the flavin monoamine oxidase family, FIG1 subfamily. It is highly expressed in primary mediastinal B-cell lymphomas. Enzymological characterization reveals that IL-4I1 has L-amino acid oxidase activity with preference toward aromatic amino acids.



> RDC2952 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacac atggcccggt tggccctgcg cctcctctgc ctgctcccca tctctctcag
501  cctggcggct tcccaggact ggaaggtcga acgcagccag gaccocctcg agaaatgcatt gcaggatcct gactatgagc agctgctcga ggtgtgtaac
601  tgggggctca atcggaccct gaagcccccag aggggtgatt tggctcggcg tgggtgtggcc gggctggttg ctgccaaagt gctcagtcat gccggacata
701  aggtcacccat cctggaggga gataacagga tcggggggcc catcttccacc taccgggacc agaacaacggg ctggattggg gagctgggag ccatgcgcac
801  gccagcgtct cacaggatcc tccataagct ctgccagggc ctggggctca acctgaccaa gttcaccacg tacgacaaga acacatggac ggaggtgcac
901  gaagtgaagc tgcgcaacta cgtggtggag aaggtaccgc agaagctggg ctacgcacct cgcgcccaag aaaagggcca gtgcgccgaa gacatttacc
1001 aggtcacccat caacggggcc gataacagga tcggggggcc catcttccacc taccgggacc agaacaacggg ctggattggg gagctgggag ccatgcgcac
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2001 caccggggcgc gcgtccgaca cggaggggca ggggcatgtg catggggtgg ctggcagccc ctgcgatgac ctggcaaaag aagaggcgag ccaccttga
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2501 cgagcggtat cagctcactc aaagcgctga atacggttat ccacagatag aggggataac gcaggaaaga acatgtgagc aaaagggcca gtaacaggca
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> RDC2952 Translated Insert Sequence

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1   maplalnllv lvpillslaa sqdwaersq dpfekcmqdp dyeqllevvt wglnrtrlkpq rvivvgagva glvaakmlsd aghkvtilea dnrigrift
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201  kamkkferht lleyllgegn lsrpavqllg dvmsedgffy lsfaealrah sclsdrlqys rivggwdllp rallsslsgl vllnapvvam tqgphdvhvq
301  idtsparnl kvlkadvll tasgpavkri tfsplprhm qealrrlhv patkvflsfr rpfwreehie gghsntdrps rmifypppre galllasytw
401  sdaaaafagl sreealrlal ddvaalhgl vrqlwdgtgv vkrwaedphs qggfvvppa lwqtekywr vpygriyfab ehtayphgw etavksalra
501  aikinsrkpg asdtasptgh asdtggghv hgvagpsphd lakeegshpa agqlsfqhm thtrtly

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