

Specifications:

Gene:	hKAT2A
Accession:	NP_066564.2
Insert size:	2527bp
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.

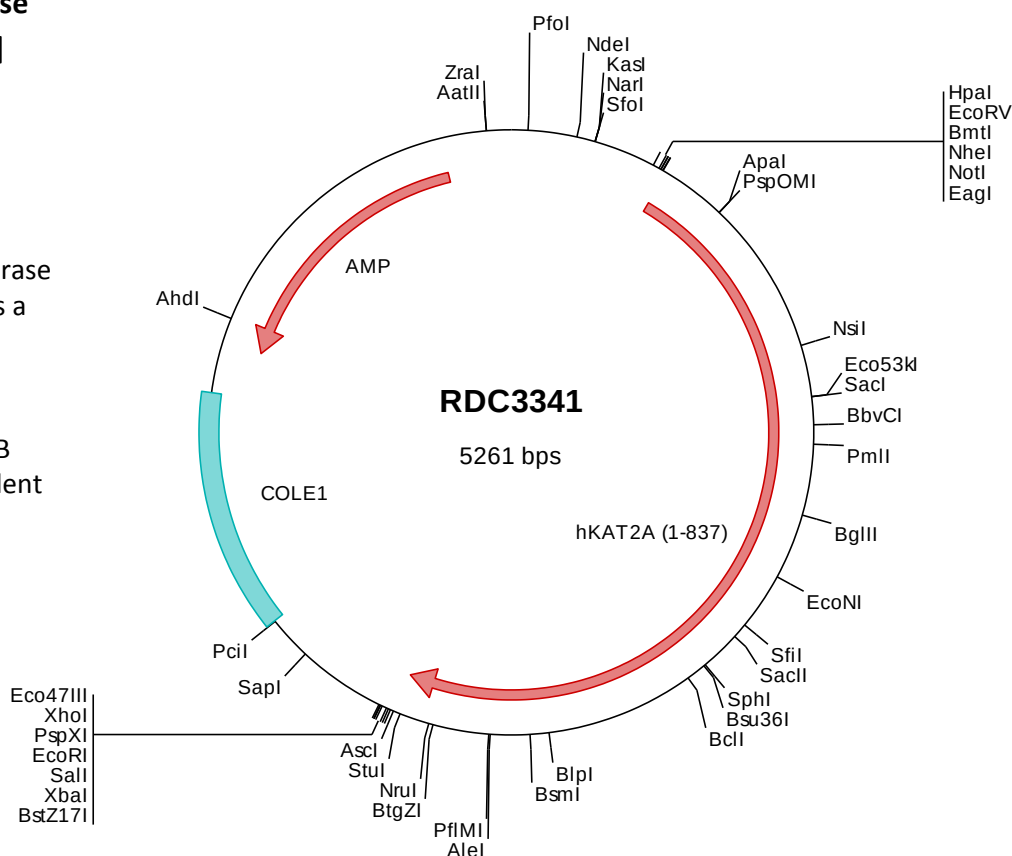
hKAT2A/GCN5 cDNA Plasmid

KAT2A lysine acetyltransferase 2A [*Homo sapiens* (human)]

Also known as: GCN5; hGCN5; GCN5L2; PCAF-b

Summary:

KAT2A is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. It also functions as a repressor of NF-kappa-B by promoting ubiquitination of the NF-kappa-B subunit RELA in a HAT-independent manner.



> RDC3341 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaaacc tctgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
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701  agcagcgcgc cagtccaggg aaggcgcaag tccgggggct gcccgcgccc aagaagcttg agaagctagg ggtcttctcg gcttgcaagg ccaatgaaac
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> RDC3341 Translated Insert Sequence

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201  lfkllrkcll qmtrpvvegs lgsppfekpn ieggvlnfvq ykfshlapre rqtmfelskm flclnlywkl etpaqfrqrs qaedvatykv nytrwlcych
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701  rqipvesvpg iretgwklpg kekkelkdp dlytltlkn laqikshpsa wpfmepvkks eapdyevir fpidlktmte rlrstryvtr klfvadlqr
801  iancreynnp dseyrcasa lekffyfkkl egglikd

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