

Specifications:

Gene:	<i>h</i> GJB5
Accession:	NP_005259
Insert size:	834bp
Concentration:	10µg at 0.2µg/µL

*h*Connexin 31.1/GJB5 cDNA Plasmid

GJB5 gap junction protein, beta 5, 31.1kDa [*Homo sapiens* (human)]

Also known as: CX31.1

Summary:

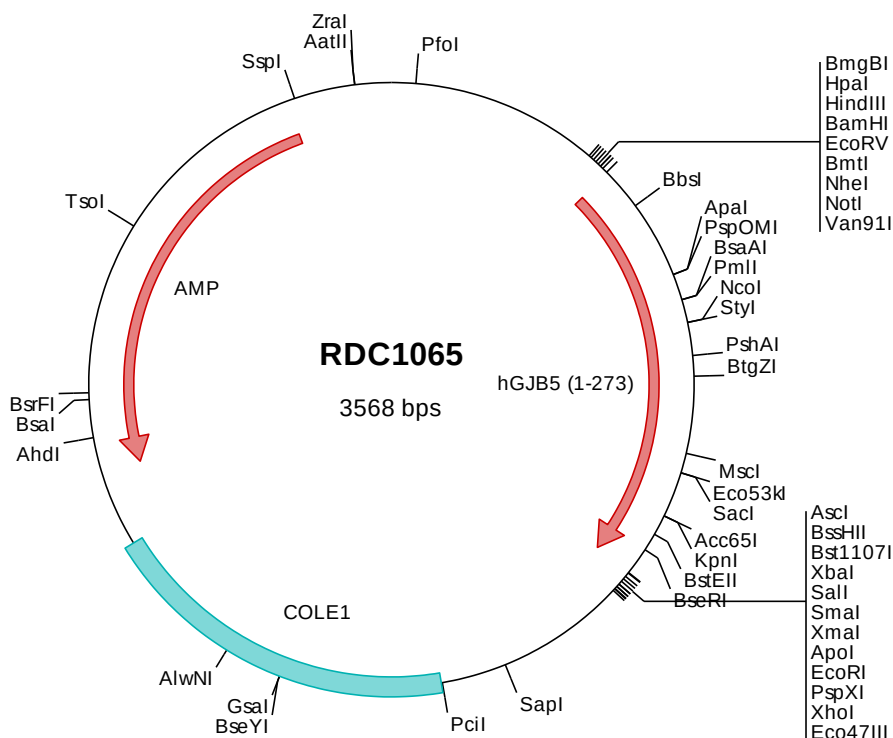
GJB5 is a member of the beta-type connexin family. GJB5 is a gap junction protein involved in intercellular communication related to epidermal differentiation and environmental sensing. GJB5 has been linked to non-small cell lung cancer.

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.





> RDC1065 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagcct ggtccgata tcgctagcgc ggccgccacc atgaactgga gtatctttga gggactcctg agtggggtca acaagtactc
501  cacagccttt gggcgcaatc ggtgtctct ggtcttcaatc ttcgcggtgc tgggttaacct ggtgacggcc gagcgttgtt ggagtgtga ccacaaggac
601  ttcgaactgca ataactcgcca gcccggtgc tccaaagctc gctttgatga gttcttccct gtgtcccatg tgcgctctg ggcctgcag cttatcctgg
701  tgacatgccc ctcactgctc gtggtcatgc acgtggccta cgggaggtt caggagaaga ggcaccgaga agcccatggg gagaacagtg ggcgcctcta
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2301 caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac gctcagtgga acgaaaaatc acgttaaggg
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> RDC1065 Translated Insert Sequence

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101  qekrhreahg ensgrlylnp gkkrgglwmt yvcslvfkas vdiaflyvf sfypkyilpp vvkchadpcp nivdcfiskp sekniiftlm vataaicill
201  nlveliylys krcheclaar kaqamctghh phgttssckq ddllsgdlif lgsdshppll pdrprdhvkk til
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