

Specifications:

Gene:	hB3GALT2
Accession:	NP_003774.1
Insert size:	1282bp
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.

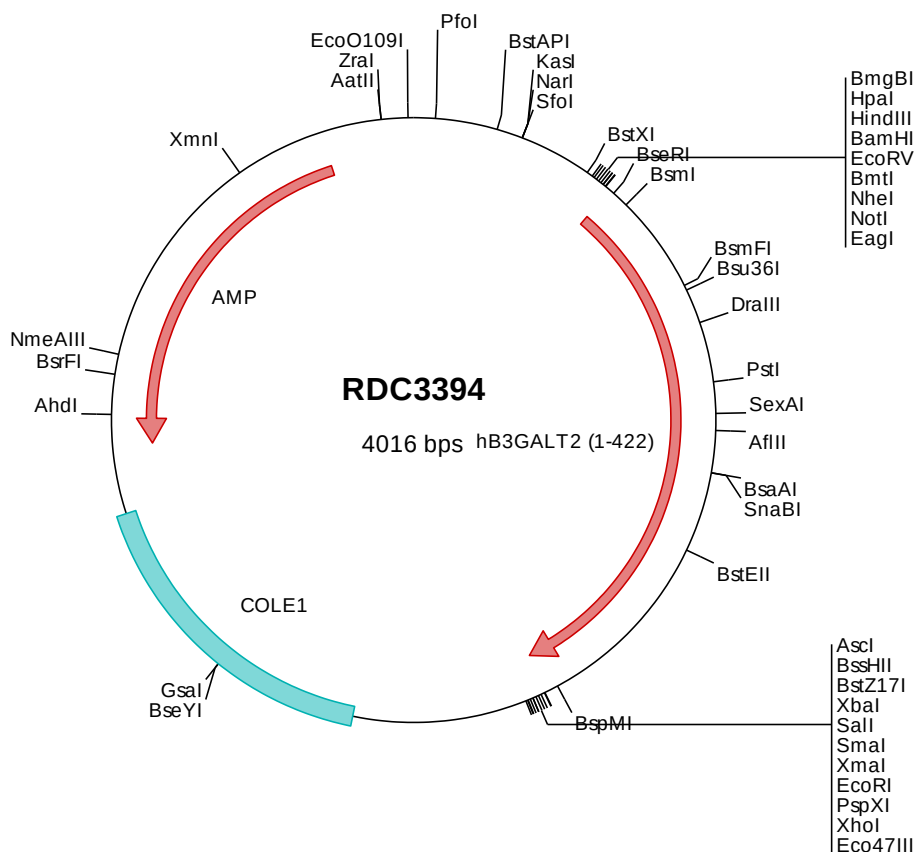
hB3GalT2 cDNA Plasmid

B3GALT2 beta-1,3-galactosyltransferase 2 [*Homo sapiens* (human)]

Also known as: GLCT2;
BETA3GALT2; beta3Gal-T2

Summary:

B3GALT2 is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. These family members are type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). B3GALT2 functions in N-linked glycoprotein glycosylation and shows strict donor substrate specificity for UDP-galactose.



> RDC3394 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgcttcagt ggaggagaag acactgctgc tttgcaaaga tgacctggaa
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601  ggcagagctg gattcaaaga aaacctgtg acatacactt tccgaggatt tcggccaaca aaaagtgaga caaaccacag ctcccttcgg aacatttgga
701  aagaaacagt ccctcaaac ctgaggccct aaacagcaac taactctaatt aacacagacc tgtcaccaca aggagttaca ggccctggaga atacacttag
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901  ccttttttaa tactactaat agctgcagag cctggacaaa tagaagctag aagagctatt cggcaaaact ggggcaatga aagtctagca cctggtattc
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3901 taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc
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> RDC3394 Translated Insert Sequence

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201  lqraileesr qyhdiigqey ldtyynltik tlmgmwnvat ycpipyvmk tdsdmfvnte ylinkllkpd lpprhnyftg ylmrgyapnr nkdkswymp
301  dlypserypv fcsgtgyvfs gdlaekifkv slgirrlhle dvyvgiclak lridpvpppn efvfnhwrvs yssckyshli tshqfqpsef icywnhlqqn
401  khnacanaak ekagryrhrk lh

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