

Specifications:

Gene:	hB3GALT1
Accession:	NP_066191.1
Insert size:	994bp
Concentration:	10µg at 0.2µg/µL

hB3GalT1 cDNA Plasmid

**B3GALT1 beta-1,3-
galactosyltransferase 1 [*Homo
sapiens* (human)]**

Also known as: beta3Gal-T1

Summary:

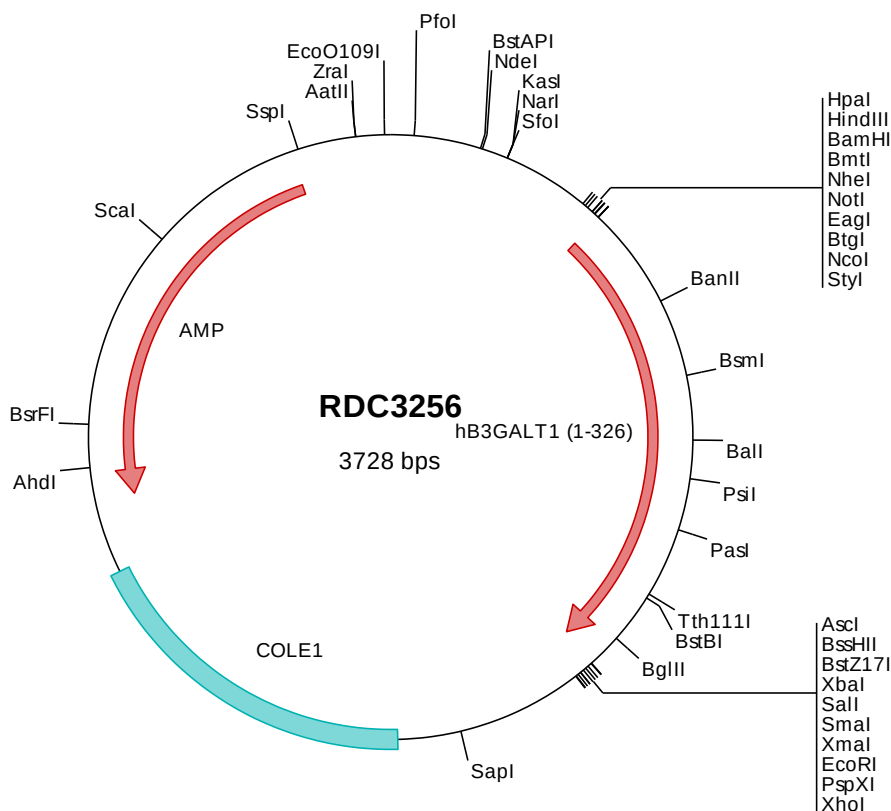
B3GALT1 is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. It is a type II membrane-bound glycoprotein with diverse enzymatic functions that uses different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). B3GALT1 is expressed exclusively in the brain.

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.



> RDC3256 Plasmid DNA Sequence

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1  tcgcgcgctt  cggatgatgac  ggtgaaaaac  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC3256 Translated Insert Sequence

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201  ryftgyving  gpirdvrskw  ympdlypds  nyppfcsctg  yifsadvacl  iyktslhlrl  lhledvyvgl  clrkighpf  qnsgfnhwkm  ayslcrlyrr
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