

Specifications:

Gene:	hGPC3
Accession:	NP_004475
Insert size:	1756bp
Concentration:	10µg at 0.2µg/µL

hGlypican 3 cDNA Plasmid

GPC3 glypican 3 [*Homo sapiens* (human)]

Also known as: SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2

Summary:

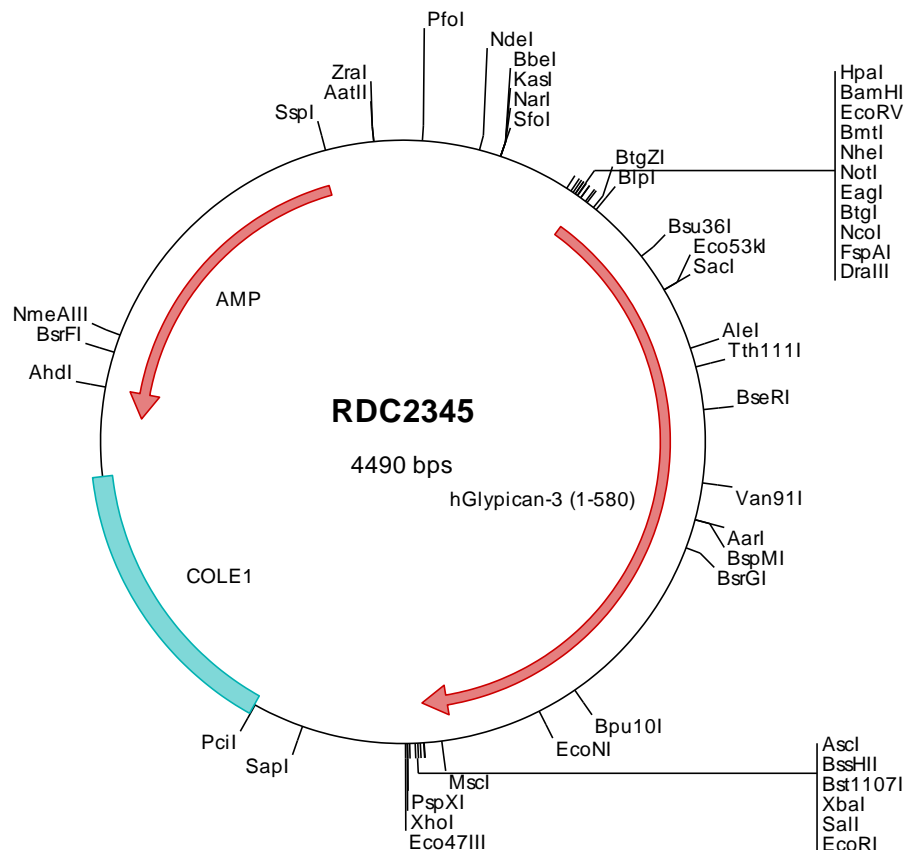
GPC3 belongs to a family of heparan sulfate proteoglycans that are attached to the cell surface by a glycosylphosphatidylinositol (GPI) anchor. It may play a role in the control of cell division and growth regulation. GPC3 can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in GPC3 are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternatively spliced transcripts encoding different proteins have been described.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2345 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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> RDC2345 Translated Insert Sequence

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