

Specifications:

Gene:	hMANBA
Accession:	NP_005899.3
Insert size:	2653bp
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.

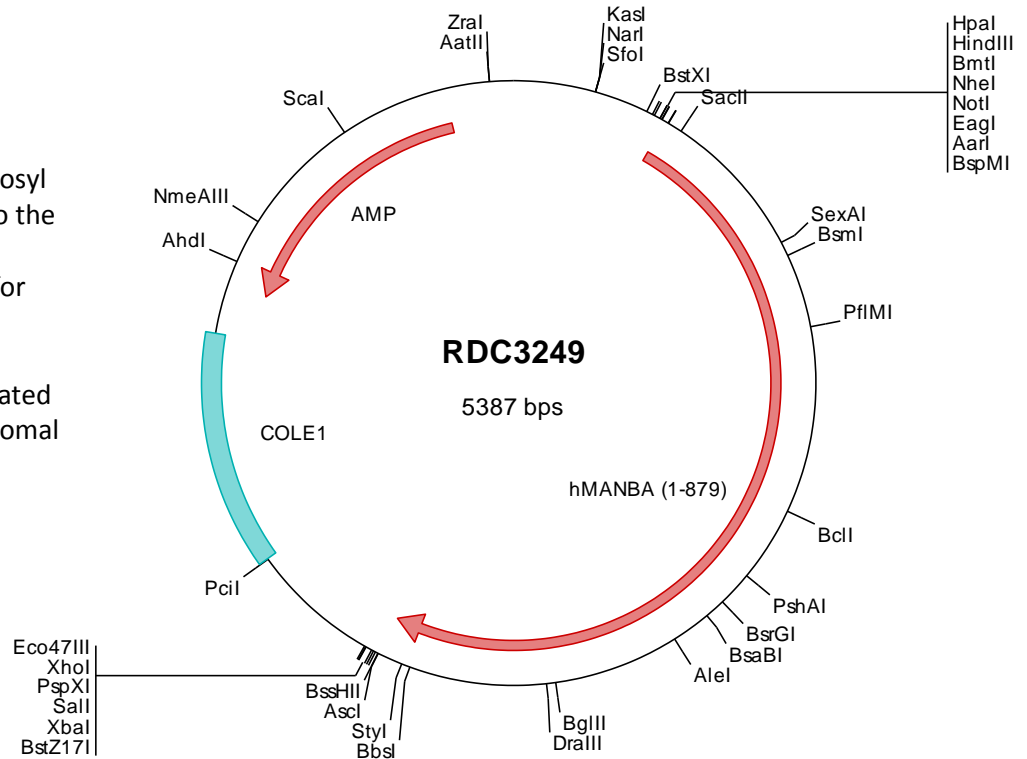
**hMANBA cDNA
Plasmid**

MANBA mannosidase beta
[*Homo sapiens* (human)]

Also known as: MANB1

Summary:

MANBA is a member of the glycosyl hydrolase 2 family. It localizes to the lysosome where it is the final exoglycosidase in the pathway for N-linked glycoprotein oligosaccharide catabolism. Mutations in MANBA are associated with beta-mannosidosis, a lysosomal storage disease that has a wide spectrum of neurological involvement.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3249 Plasmid DNA Sequence

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1 tcgcgcgctt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC3249 Translated Insert Sequence

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401 yelcdelgim vwqdfmfaca lyptdqgfld svtaevayqi krlkshpsii iwsnennnee almmnwyhis ftdrpiyikd yvtlyvknir elvlagdkrs
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