

Specifications:

Gene:	hTGM2
Accession:	NP_004604.2
Insert size:	2077bp
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.

hTGM2 cDNA Plasmid

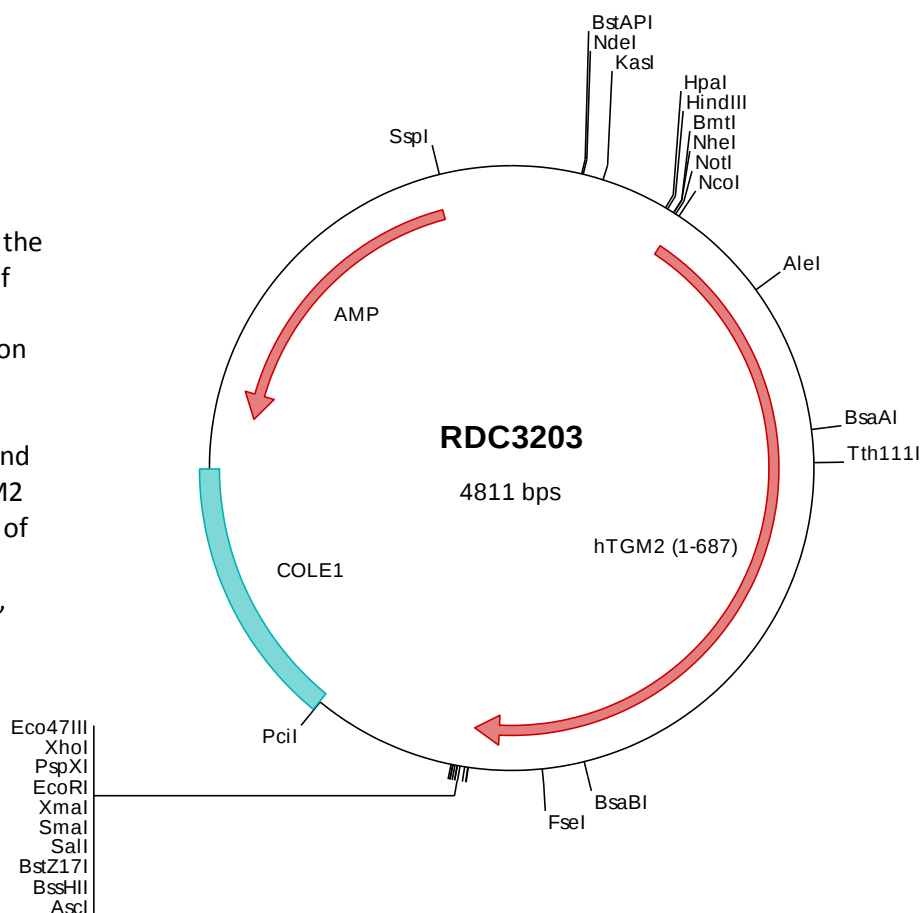
TGM2 transglutaminase 2

[*Homo sapiens* (human)]

Also known as: TGC; TG(C)

Summary:

TGM2 belongs to the family of transglutaminases that catalyze the posttranslational modification of proteins via calcium dependent cross-linking reactions. In addition to its function in protein cross-linking, TGM2 is also capable of hydrolyzing both GTP and ATP and has intrinsic kinase activity. TGM2 has been implicated in a variety of human diseases including celiac disease, inclusion body myositis, atherosclerosis, and neurodegenerative diseases.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3203 Plasmid DNA Sequence

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> RDC3203 Translated Insert Sequence

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