

**Specifications:**

Gene:	<i>cynoTPBG</i>
Accession:	NP_001306553
Insert size:	1276bp
Concentration:	10µg at 0.2µg/µL

**cyno5T4 cDNA  
Plasmid**

**TPBG trophoblast glycoprotein**  
[ *Macaca fascicularis* (crab-eating macaque) ]

**Also known as:** WAIF1

**Summary:**

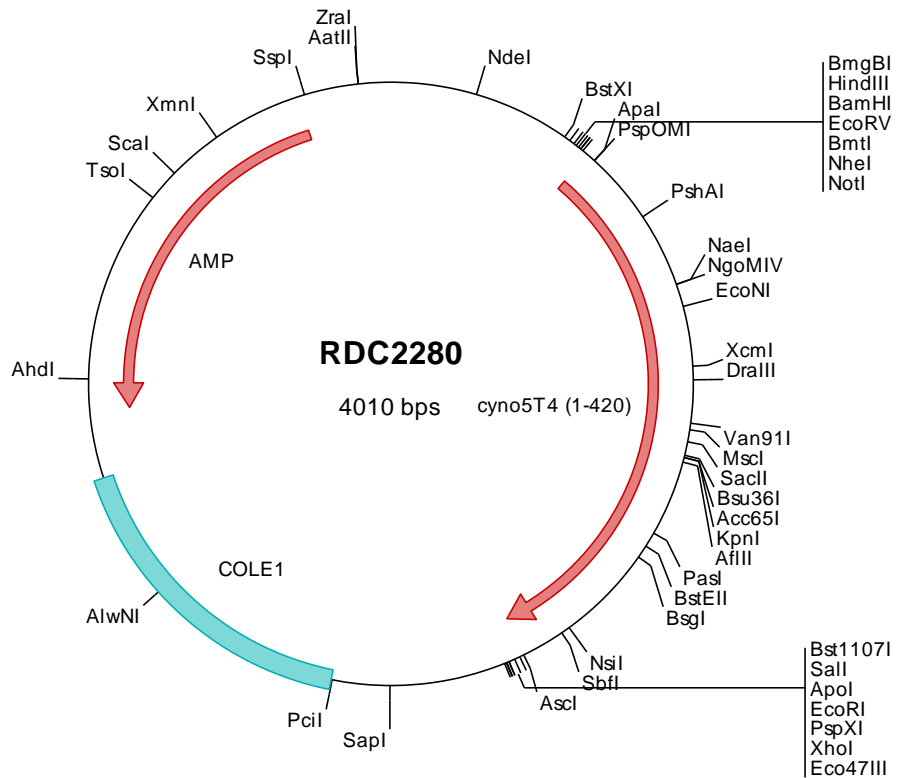
5T4 is a member of the LRR family of proteins. It is a leucine-rich transmembrane glycoprotein that may be involved in cell adhesion and motility. It is an oncofetal antigen that is specific to trophoblast cells. In adults 5T4 is highly expressed in many tumor cells and is associated with poor clinical outcome in numerous cancers.

**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

> RDC2280 Plasmid DNA Sequence

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> RDC2280 Translated Insert Sequence

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