

**Specifications:**

Gene:	<i>cynoTREM2</i>
Accession:	XP_005553122
Insert size:	706bp
Concentration:	10µg at 0.2µg/µL

**cynoTREM2 cDNA  
Plasmid**

**TREM2 triggering receptor  
expressed on myeloid cells 2  
[ *Macaca fascicularis* (crab-  
eating macaque) ]**

**Summary:**

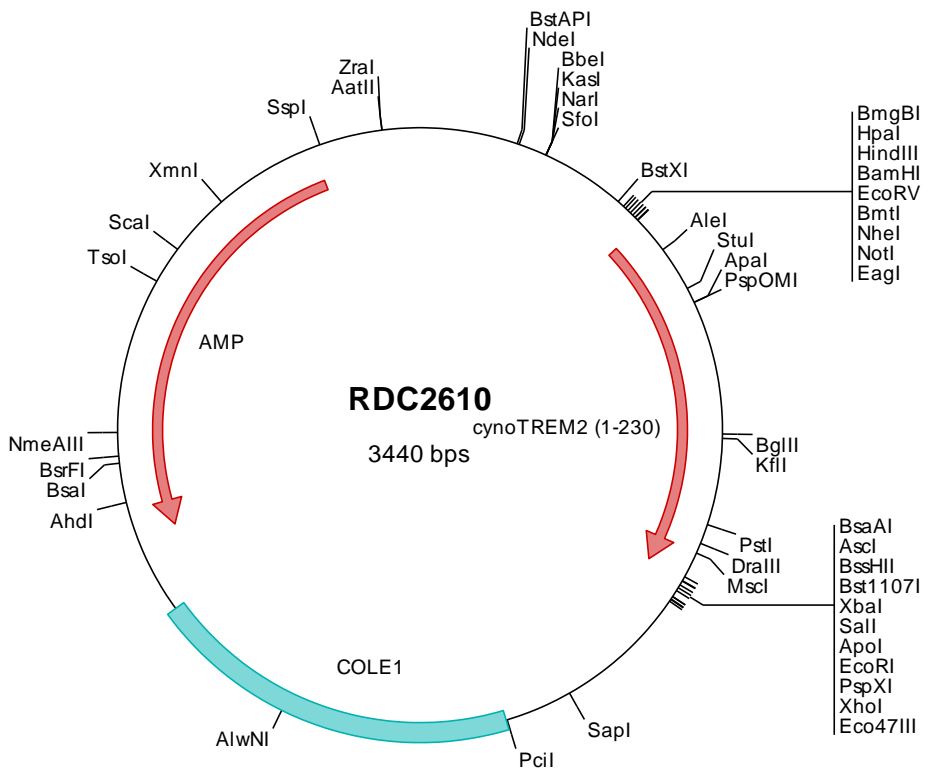
TREM-2 is a membrane protein that forms a receptor signaling complex with TYROBP and is expressed on macrophages and dendritic cells. It functions in immune response and may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in TREM-2 are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS<sub>L</sub>).

**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.



> RDC2610 Plasmid DNA Sequence

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> RDC2610 Translated Insert Sequence

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