

Specifications:

| | |
|----------------|------------------|
| Gene: | mTrem2 |
| Accession: | NP_001259007 |
| Insert size: | 763bp |
| Concentration: | 10µg at 0.2µg/µL |

**mTREM2 cDNA
Plasmid**

**Trem2 triggering receptor
expressed on myeloid cells 2
[*Mus musculus* (house mouse)]**

Also known as: TREM-2; Trem2a;
Trem2b; Trem2c

Summary:

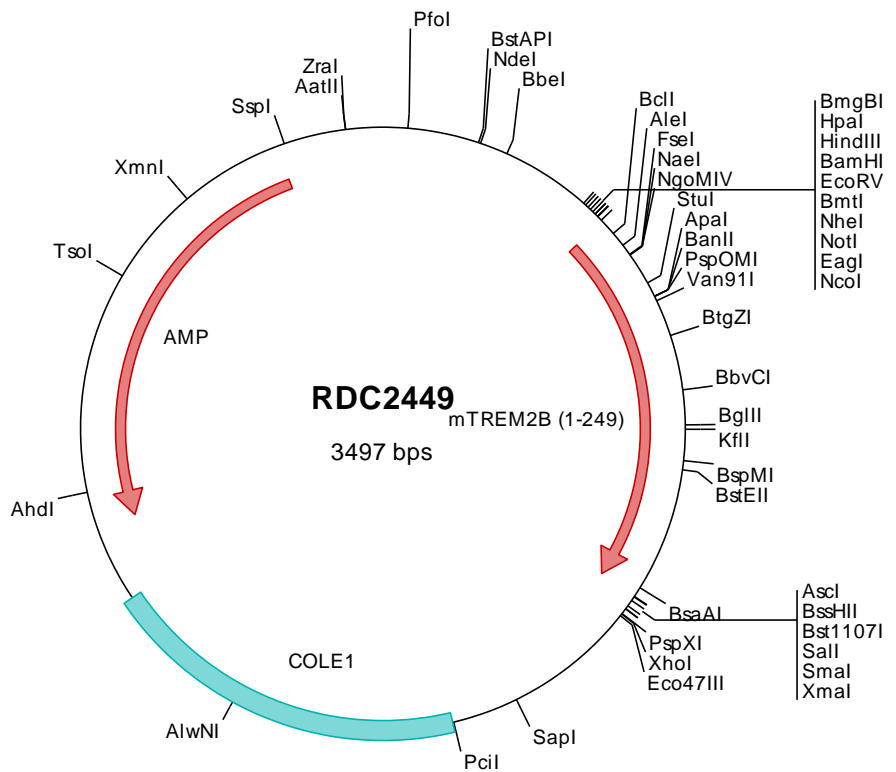
TREM2 is a membrane protein that forms a receptor signaling complex with TYROBP and is expressed on macrophages and dendritic cells. It functions in immune response and may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in TREM2 are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS). This is the TREM2B splice variant.

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. |



> RDC2449 Plasmid DNA Sequence

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1   tcgctgctgtt  cggatgatgac  ggtgaaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
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201  ccgcacagat  gcgtaaggg  aaaataccgc  atcaggcgcc  attgccatt  caggctcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcctat
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> RDC2449 Translated Insert Sequence

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