

**Specifications:**

Gene:	rTrpv1
Accession:	NP_114188
Insert size:	2530bp
Concentration:	10µg at 0.2µg/µL

**rVanilloid R1/TRPV1  
cDNA Plasmid**

**Trpv1 transient receptor  
potential cation channel,  
subfamily V, member 1 [ *Rattus  
norvegicus* (Norway rat) ]**

**Also known as:** Vr1; Vr1l1; VR.5'sv;  
TRPV1\_SON

**Summary:**

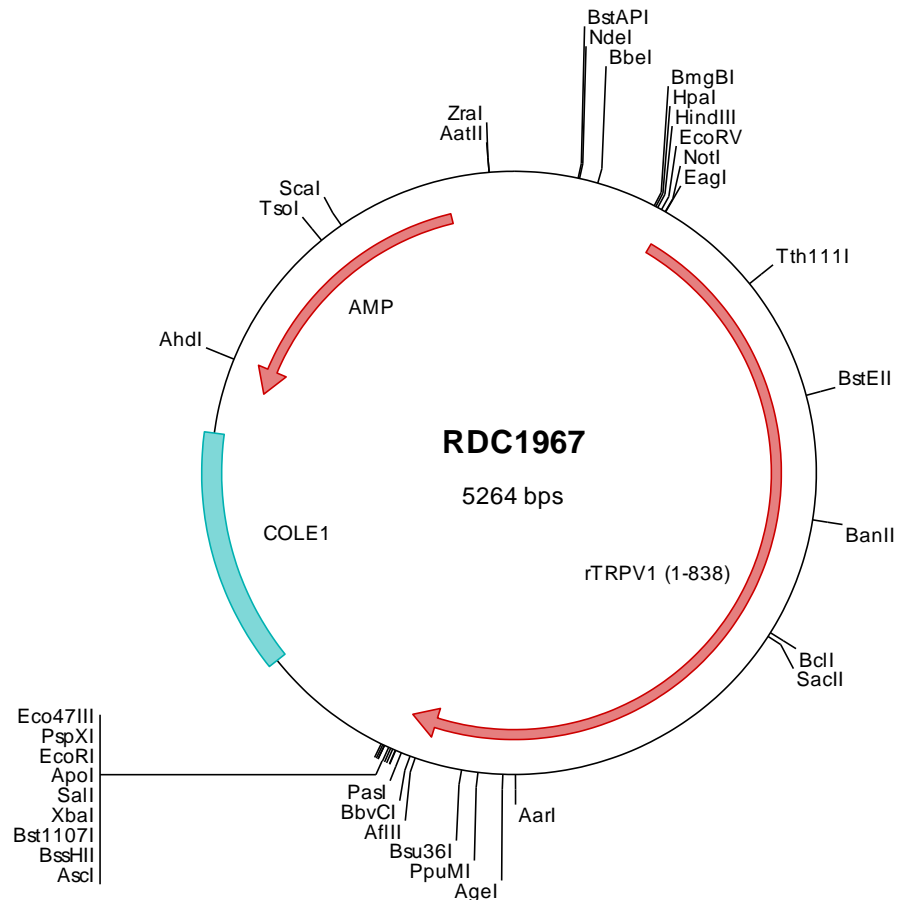
TRPV1 is a receptor for capsaicin and is a non-selective cation channel that is structurally related to members of the TRP family of ion channels. Capsaicin, the main pungent ingredient in hot chili peppers, elicits a sensation of burning pain by selectively activating sensory neurons that convey information about noxious stimuli to the central nervous system. TRPV1 is also activated by increases in temperature in the noxious range, suggesting that it functions as a transducer of painful thermal stimuli in vivo.

**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

> RDC1967 Plasmid DNA Sequence

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> RDC1967 Translated Insert Sequence

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