

Product datasheet for **RR205142**

Trpv2 (NM_017207) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv2 (NM_017207) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trpv2
Synonyms:	Vrl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR205142 representing NM_017207
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTTCAGCCTCCAGCCCCAGCTTTCAGGCTGGAGACTCCGATGGAGATGAAGAGGGCAATGCTG
 AGGTGAACAAGGGGAAGCAGGAACCGCCCCCATGGAGTCACCATTCCAGAGGGAGGACCGAATTCCTC
 CCCTCAGATCAAAGTGAACCTCAACTTCATAAAGAGACCTCTAAAAACACTTCTGCTCCAGCCAGCAG
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 GACTGCTAGAATACCTGCGCTGGAACAGCAAGTACCTCACTGACTCTGCATACACAGAAGGCTCCACTGG
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ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR205142 representing NM_017207
 Red=Cloning site Green=Tags(s)

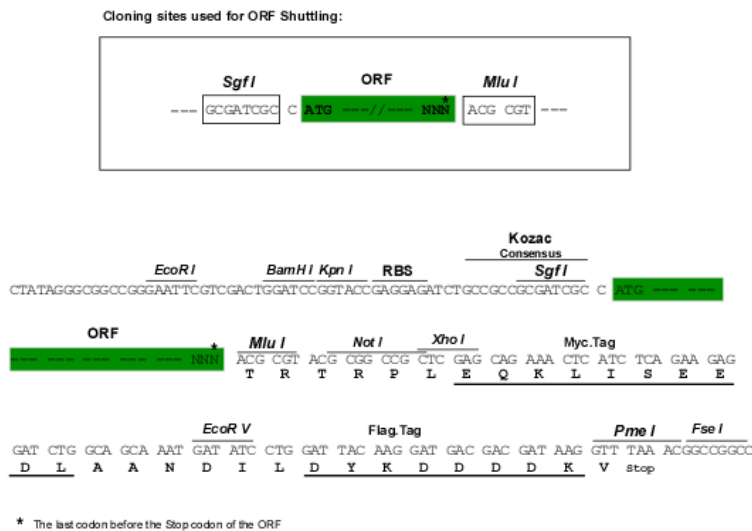
MTSASSPPAFRLETSDGDEEGNAEVNKGKQEPMPMESPQFREDRNPSPQIKVNLFIKRPPKNTSAPSQQ
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 LCPTVQLEEIISNHQGLTPLKLAKEGKIEIFRHILQREFSGPYQPLSRKFTWCYGPVRSVSLYDLSVSDS
 WEKNSVLEIIFHCKSPNRHRMVLEPLNKLQEKWDRLVSRFFNFACYLVMFYFTVVVYHQPSLDQP
 AIPSSKATFGESMLLLGHILILLGGIYLLLGLWYFWRRLFIWISFMDSYFEILFLQLALLTVLSQVLR
 FMETEWYLPLLVSLVGLWLNLLYYTRGFQHTGIYSVMIQKILRDLLRFLLVYLVFLGFAVALVLSR
 EARSPKAPEDNNSTVTEQPTVGQEEEPAPYRSILDASLELKFFTIGMGELAFQEQLRFRGVVLLLLLAYV
 LLTYVLLLNLIALMSETVNHVADNSWSIWKLQKATSVLEMENGYWCCRKKHREGRLKVGTRGDGTPD
 ERWCFRVEEWNVAWEKTLPTLSEDPSPGPGITGNKKNPTSKPGKNSASEDHLPLQVLQSP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_017207

ORF Size:

2283 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_017207.3](#), [NP_058903.2](#)

RefSeq Size: 2834 bp

RefSeq ORF: 2286 bp

Locus ID: 29465

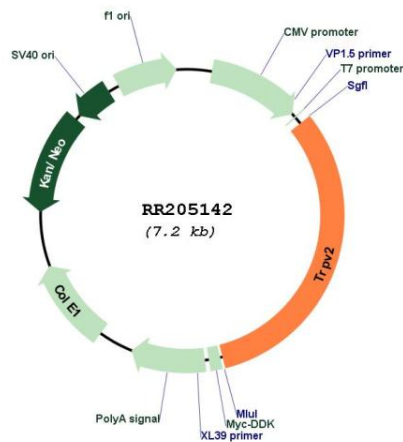
UniProt ID: [Q9WUD2](#)

Cytogenetics: 10q23

MW: 86.7 kDa

Gene Summary: ion channel that may be activated by high temperature; may transduce high threshold heat responses in sensory ganglia [RGD, Feb 2006]

Product images:



Circular map for RR205142