

## Product datasheet for **RR212711**

### Trpv3 (NM\_001025757) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv3 (NM_001025757) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trpv3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RR212711 representing NM\_001025757  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAAGCCACCCCAAGGAGATGGTGCCCTCATGGGCAAAGAACCACTGCACCTGGCGGGAACCTG  
 CTGTGCTGACAGAGAAGAGGCCGCGCAGATCTACCCCCACCAAGAAGAGTGCACACTTCTCCTGGAGAT  
 AGAAGGATTTGAGCCCAACCCACTGTTACCAAGACCTCTCCCCAATCTTCTCCAAGCCGATGGACTCC  
 AACATCCGGCAGTGCCTCTCTGGCAACTGTGATGACATGGACTCTCCTCAGTCTCCTCAGGATGATGTGA  
 CAGAGACCCCATCCAATCCCAACAGTCCAAGCGCAAACCTGGCCAAGGAAGAACAGAGGCAGAAGAAGAA  
 GCGGCTGAAGAAGTGCATCTTCGCGGCTGTATCAGAGGGCTGCGTGAGGGAGCTGCGGGAACCTCTGCAG  
 GATCTGCAGGAGCTCTGCAGACGGCGCCGCGCCTGGATGCGTCTGACTTCTCATGCACAAGCTGACAG  
 CCTCAGACACTGGGAAGACCTGCCTGATGAAAGCTTTGCTCAACATCAACCCCAACCAAGAGATCGT  
 GCGGATTCGCTTGCCTTCGCTGAGGAGAATGACATCCTGGACAGTTTCAATGCGGAGTACACGGAA  
 GAGGCCTACGAAGGGCAGACAGCGCTGAACATTGCCATCGAGCGCGCCAGGGAGACATCACAGCAGTGC  
 TCATAGCAGCGGGTGTGACGTCAACGCTCACGCCAAGGGGGTCTTCTTCAACCCAAAATACCAGCACGA  
 AGGCTTCTATTTTGGTGAGACGCCCTGGCCTTGGCAGCATGTACCAACCAGCCTGAGATCGTGCAGCTG  
 CTGATGGAGAATGAGCAGACAGACATCACTTCTCAGGACTCTCGGGGAAACAACATCCTGCATGCGCTGG  
 TGACAGTGGCTGAGGACTTCAAGACCCAGAATGACTTTGTTAAGCGCATGTATGACATGATTCTGCTGAG  
 GAGTGGCAACTGGGAGCTGGAGACCATGCGCAACAATGACGGTCTCACGCCACTGCAGCTGGCTGCCAAG  
 ATGGGCAAGGCTGAGATCCTGAAGTATATCCTTGGCCGTGAGATCAAGGAGAAGCCTCTCCGGAGCTGT  
 CCAGAAAGTTCACGGACTGGGCATATGGGCCTGTGTCTACTCTATGACCTCACCAACGTTGGACAC  
 GACGACAGATAAATCTGTGCTGGAGATCATCGTCTACAACCAACATTGACAACCGGCATGAGGTGCTG  
 ACCCTGGAGCCTCTGCATACACTGCTGCATATGAAGTGAAGAAATTTGCCAAGTACATGTTCTTCTTGT  
 CCTTCTGCTTCTATTTCTCCTACAACATCACCCCTGACCCTCGTCTCTTACTACCGTCTCGGGAAGGTGA  
 GGCTCTCCACACCCCTTGGCCCTGACACATAAGATGAGTTGGCTTACGCTCCTAGGGAGGATGTTTGT  
 CTTATCTGGGCCATGTGCATCTCTGTGAAAGAGGGTATTGCCATTTTCTGCTGAGACCCTCTGATCTT  
 AGTCCATCCTGTCAGATGCCTGGTTTCATTTTGAATTTTGGCCAAGCTGTGCTTGTGATACTGTCTGT  
 ATTCTTGTACTTGTTCCTACAAGAATACCTTGCCCTGCCTCGTGTGGCCATGGCCCTGGGCTGGGCG  
 AACATGCTCTACTACACGAGAGGCTTCCAGTCTATGGGCATGTACAGCGTCATGATCCAGAAGGTCATTT  
 TGCACGATGTTCTCAAGTCTTGTGTTTACATCCTGTTCTTACTTGGATTTGGAGTAGCGCTGGCCTC  
 ACTGATTGAGAAATGCTCCAAGGACAAAAGGACTGCAGCTCCTACGGCAGCTTCAGCGATGCGGTGCTG  
 GAGCTCTTCAAGCTCACCATAGGCCTGGGCGCCCTGAACATCCAGCAGAACTCCACCTACCCCATCCTCT  
 TTCTCTTCTACTCATACCTATGTCACTCACCTTTGTCTGCTCCTCAACATGCTCATCGCCCTGAT  
 GGGGAGACGGCGGAGAAGCTCTCAAAGAGAGTGAAGGATCTGGCGCTTGCAGAGAGCCAGGACCACC  
 TTGAGTTTGAAGAAATGTTACCAGAATGGCTGAGAAGCAGATCCGCATGGGAGAGCTGTGCAAAGTAG  
 CTGATGAGGACTTCCGGCTGTGCCTGAGGATCAACGAGGTGAAGTGGACTGAATGGAAAACACACGTGTC  
 TTTCTCAATGAAGATCCAGGGCCATAAAGACGGACAGCAGATTGCAACAAAATCAAGATTCTTCCAGG  
 AGCAATAGCAAAAACCCCTCTATGCATTTGATGAATTAGATGAATTCAGAAAACATCAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR212711 representing NM\_001025757  
Red=Cloning site Green=Tags(s)

MKAHPKEMVPLMGKRRTTAPGGNPAVLTEKRPADLTPTKSAHFFLEIEGFEPNPTVTKTSPPIFSKPMDS  
NIRQCLSGNCCDDMSPQSPQDDVTETPSNPNSANLAKEEQRQKKRLLKCCIFAAVSEGCVRELLQ  
DLQELCRRRRGLDASDFLMHKL TASDTGKTCMKALLNINPNTKEIVRILLAF AEENDILDRFINAEYTE  
EAYEGQTALNIAIERRQGDITAVLIAAGADVNAHAKGVFFNPKYQHEGFYFGETPLALAACTNQPEIVQL  
LMENEQTDITSQDSRGNNILHALVTV AEDFKTQND FVKRMYDMILLRSGNWELETMRNNDGLTPLQLAAK  
MGKAEILKYILGREIKEKPLRSLSRKFTDWAYGPVSSSLYDLTNVDTTT DNSVLEIIVYNTNIDNRHEVL  
TLEPLHTLLHMKWKKFAKYMFFLSFCFYFSYNITLTVSYRPREGEALPHPLAL THKMSWLQLLGRMFV  
LIWAMCISVKEGIAIFLLRPSDLQSILSDAWFHVIFGQAVLVILSVFLYL FAYKEYLA CLVLAMALGWA  
NMLYYTRGFQSMGMYSVMIQKVILHDVLKFLFVYILFLLGFGVALASLIEKCSKDKKDCSSYGSFSDAVL  
ELFKLTIGLGLNIQQNSTYPIFLFLLITYVILTFVLLL NMLIALMGETAENVSKESERIWR LQRARTT  
LEFEKMLPEWLSRFRMGELCKVADEDFRLCLRINEVKWTEWKTHVSFLNEDPGPIRRTADS NKIQDSSR  
SNSKTTLYAFDELDEFPETSV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1934\\_h03.zip](https://cdn.origene.com/chromatograms/ja1934_h03.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



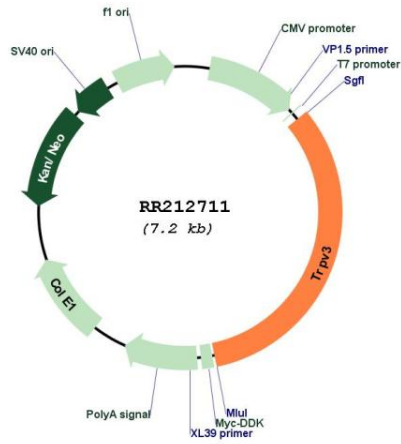
\* The last codon before the Stop codon of the ORF

ACCN: NM\_001025757

ORF Size: 2373 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001025757.1</a>, <a href="#">NP_001020928.1</a></u>
<b>RefSeq Size:</b>	3028 bp
<b>RefSeq ORF:</b>	2376 bp
<b>Locus ID:</b>	497948
<b>Cytogenetics:</b>	10q24
<b>MW:</b>	91 kDa

Product images:



Circular map for RR212711