

Product datasheet for **RR204504**

Tmem35a (NM_001001799) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem35a (NM_001001799) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem35a
Synonyms: RSEP4; Tmem35a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204504 representing NM_001001799
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCCACGAACCATAACTATTGTGGCCCTCTCTGTGGCCCTGGGACTCTTCTTTGTTTTTCATGG
GGACTATCAAGTTGACCCCAAGGCTCAGCAAGGATGCCTACAGTGAGATGAAACGTGCTTACAAGAGCTA
TGTTTCGAGCCCTCCTCTGCTGAAGAAAATGGGCATTAATTCCATTCTCCTTCGAAAAGCATTGGTGCG
CTTGAAGTAGCCTGTGGCATTGTATGACCCTGGTACCCGGTCGTCCAAAGATGTGGCCAACTTCTTCC
TGCTCTTGCTGGTGTGGCTGTGCTTTTCTCCACCAGCTGGTTGGCGATCCTCTCAAACGTTATGCCCA
TGCTCTGGTGTGGAAATCCTGCTCACCTGCCGCTGCTGATTGCCCGCAAGCCTGAAGACCGGTCTTCT
GAGAAGAAGGCTTTGCTGAGAGTGAGAAGAGCAACCGTCTTATATGAGAAGGCCCCACAGGGCAAAG
TGAAGGTGTCA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204504 representing NM_001001799
Red=Cloning site Green=Tags(s)

MASPRITIVALSVLGLFFVFMGTIKLTPRLSKDAYSEMKRAYKSYVRALPLLKMGINSILLRKSIGA
LEVACGIVMTLVPGRPKDVANFLLLLVLAVLFFHQLVGDPLKRYAHALVFGILLTCRLLIARKPEDRSS
EKKALPESAEQPSLYEKAPQGKVKVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

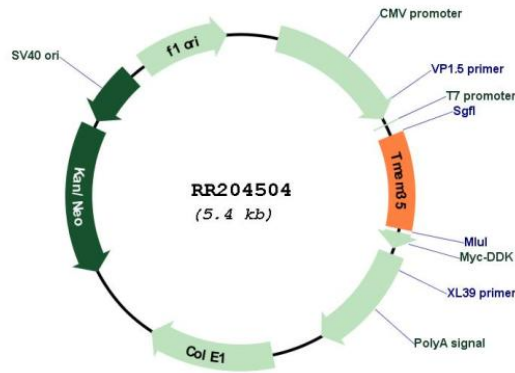


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001001799
 ORF Size: 501 bp

OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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:	<ol style="list-style-type: none"> 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_001001799.1 , NP_001001799.1
RefSeq Size:	2006 bp
RefSeq ORF:	504 bp
Locus ID:	308134
UniProt ID:	Q6JAM9
Cytogenetics:	Xq32
MW:	18.5 kDa
Gene Summary:	A soluble peptide released by shedding may interact with NGFR and modulate sympathetic neurite outgrowth upon chronic activation of the renin-angiotensin system.[UniProtKB/Swiss-Prot Function]