

## Product datasheet for MR214516

### Tmem242 (NM\_027457) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem242 (NM\_027457) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem242  
**Synonyms:** 1110008A10Rik; 2310046K16Rik; 5730437N04Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR214516 representing NM\_027457  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGGAGACCTCGGGTCTGGGCCGGGGAGTCCTCTGAATTAGAAGCTCCAGGGTCTCCGGACGATCGGT**  
**TGTTTCTGGTTAAAGGTGAATTTTCCTTGTTCTGCAGCCGACGGGAATGCTAGCTGGATTTGTTAC**  
**AACATTATCATTAGCTAAAAGAAAAGCCCTGAGTGGTTCAATAAGGGCACTATGGCCACGGCTGCCTTA**  
**CCAGAGAGTGGGTCTCCCTTGCCCTGCGAGCCCTGGGCTGGGGTTCTCTTTATGCCTGGTGTGGAGTTG**  
**GTGTGATCAGCTTTCAGTGTGGAAAGCCTTAGGAGTTCACAGCATGAAGGACTTTCGAAGTAAGATGCA**  
**ATCCATATTTCCACCAATTTCCAAGAACCATGAGTCAGCCGAGGAGTGGGAGGAAGTCTGAAGTGGAAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR214516 representing NM\_027457  
Red=Cloning site Green=Tags(s)  
METSGPGPGESELEAPGSPDDRFLVKGGIFLGSAAAAGMLAGFVTTL**SLAKKKSPEWFNKGT**MATAAL  
PESGSSLALRALGWGSLYAWCGVGVISFAVWKALGVHSMKDFR**SKMQSIFPPIPKNHESAE**EWEVLKWK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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<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>	<a href="#">NM_027457.4</a> , <a href="#">NP_081733.3</a>
<b>RefSeq Size:</b>	971 bp
<b>RefSeq ORF:</b>	423 bp
<b>Locus ID:</b>	70544
<b>UniProt ID:</b>	<a href="#">Q8VCR3</a>
<b>Cytogenetics:</b>	17 A1
<b>MW:</b>	15.4 kDa