

## Product datasheet for **MR229486**

### **BC024978 (NM\_001243888) Mouse Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: BC024978 (NM\_001243888) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: BC024978  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >MR229486 representing NM\_001243888  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGACTTCTCCATGCTCTTTCCCTAAAACCCACAATCTCTCCAATAATTCATGAGACCCAGACACCA  
ACATTCCACCTCCTTTACCTCTAAATCCCCGGACCTAGCTTTACCATCCCCTCCTGTAGTCTCCATAC  
ATCTATTTTCATCCCACCTGCGCCCCCTCCCCCTCCTGCTCCTCCCCTCCCCTCCCCTCCCCT  
CTACCTCTGCTGTGGAGCCTGTTCTCCCTCATGTCTATGGCCTGAAGAACAGCCAGCTCCTGAAGGAGG  
CCTTAGAGAAGGCTGGCCAGCCCCAAAGGCAAAGAGGATGTGAAGAGGCTCCTGAAGCTGCACAAGGA  
CCGGTTTCGAAGTGACCTGCAGTGGATCCTTTTTGTGCTGACCTGCCATCATGCATCCAGGAAGGCCCT  
CAGTGTGGACTGGTGGCCTTGTGGATGGCAGAAGCTCTTCTGTCAACACCTGACAGCGTCTCTGGAAA  
GACTAGTGCAGGTGGCAAGGAGAGAGGCTACACCGCACAGGGAGAAATGTTCTCAGTGGCTGACATGGC  
CAAAGTGGCCAGGAGACTTTGGACTGCCAGGTGAGCTCCTGTGTGGTGGCTTGGTGGTCCCAACAGA  
GAACGAGTTCTACAGCACCTCATCACTGGACATCCCCTGCTCATTCCCTATGATGAGGATTTCAACCAG  
AGCCGTGTCAAAGAAAGGCCATAAGGCCCACTGGCAGTGAGTGCAGGGTCTGATAGGTGTGCAGAA  
TGTGCCAAGCCCTGGCTACATTGAAGACTCTGAGCTACCAGGCCTTCCACCCAGTGCCTGGTGCACCC  
CACCAACCACCATCCTTCCCAGAGGAAAGCTCCCAGGTGCCCTTCTCTCTCCAAGCAGGGCAAGA  
GTTGGCATTACCAGCTGTGGACTACAGCCAAGTCCGGGAGAGCAACCTGCAGCTGACAGACTTCTCACC  
CGCAAGGGCTGCCGATGGACAGGTGTACGTGGTACCTGCTGGTGGGTAGAGGCTGGCCTCTGTGCCAG  
GCCCTGCTGCTCAGACCACAGGAGGAAGCCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR229486 representing NM\_001243888  
 Red=Cloning site Green=Tags(s)

MTSPCSFPLKPTISPIIHETPDNIPPLPLNPPDLALSPPPCSLHTSISSPLPPPPPPPPPPPPPPPP  
 LPSAVEPVLPHVYGLKNSQLLKEALEKAGPAPKGGKEDVKRLKLHKDRFRSDLQWILFCADLPSCIQEGP  
 QCGLVALWMAEALLSTPDSVSLERLVQVAKERGYTAQGFMSVADMAKLAQETLDCQAEALLCGGLGGPNR  
 ERVLQHLITGHPLLIPYDEDFNHEPCQKKGHKAHWAVSAGVLIGVQNVSPGYIEDSELPLGFHPVPGAP  
 HQPPSFPEESSPGALFLLSKQKGSWHYQLWDYSQVRESNLQLTDFSPARAADGQVYVVPAGGVEAGLCGQ  
 ALLLRPQEGSH

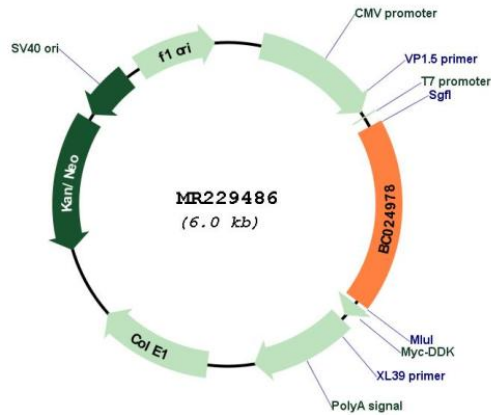
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001243888

<b>ORF Size:</b>	1083 bp
<b>OTI Disclaimer:</b>	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>
<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_001243888.1</a> , <a href="#">NP_001230817.1</a>
<b>RefSeq Size:</b>	1748 bp
<b>RefSeq ORF:</b>	1086 bp
<b>Locus ID:</b>	414069
<b>Cytogenetics:</b>	7 A3
<b>MW:</b>	39.4 kDa