

## Product datasheet for **MR229179**

### Gm10662 (NM\_001201364) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gm10662 (NM\_001201364) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gm10662  
**Synonyms:** ENSMUSG00000074296  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR229179 representing NM\_001201364  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGATGGAGCAGGATCTGAAGATGATGGAGCAGGATCTGAAGATGATGGAGCAGGATCTGAAGGCCTGCT  
ACTCAATTGAAGAGAAGCTTCGACATTAAGATGCTGAACACACTGGGTGAAGGAACTTTTCAGT  
GGTGAACGGGCCTTCCATGTCCCACAAGTACCTCTGTGGCTGTAAAAATTCCTCAAAACACCAAGGAG  
TACACCTACCCATCTGCAGGGAAGCCAGGATTATGAAATCACTTAGCCATCCTAACATTATCAAGCTGT  
TTCATGTGGTCCAGAGAAGAGAGACTACCTACCTGGTGTGGAGTATGCCTCAGAGGGAGAGCTACTAGA  
TCGCATCATCAACGTGGTGTCTTTAGAGGAGAGCGAGACTCGAAGGCTGTTTGCCAGATAGTACATGCA  
GTGCACTACTGCCATGACCATCACATTGTCATAGAGACATAAAGGCCAGCAACATTTTGATCGACTGCA  
GGGAAATGCCAAGCTGTGTATTTGGCTTGGCTGCTGAAGTATTCTGGACAAAAGCTGGCAGGTTT  
CTGTGGCACACTGCCCTACTGTGCCCGGAAGCTTTGCAAGCAGAGAAAATGAGGGCCTCCCTGTAGAT  
ATCTGGAGTTTAGGGTCTCCTGTTCTCATGGTATCTGGGAAGCTTGCCTTTCCAAGGCAGGTCTTTTG  
TGGACTTGAAGCAGGAGATCATCTCTGCAAACTCAGCATCCCTCCCATGTTTCCATTGACATTTCCAA  
TGTCATCATTGAAGTCTGATGATCAATCCCAGCAGGAGGCCACCATCCACCAATCATGAGGCACCCC  
ATGATCAGGGCAGTGAGGCATGTTTACCACCTACTTCCACACAGACTTCCAGGCACCCCAAGCCACA  
GCATTGTCAGGACCATGACAGTCATCACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229179 representing NM\_001201364  
Red=Cloning site Green=Tags(s)

MMEQDLKMMEQDLKMMEQDLKACYSIEENFDINYKMLNTLGEGNFSVVKRAFHVPTSTSVAVKILQNTKE  
 YTSPICREARIMKSL SHPNIIKLFHVVQRRETTYLVMEYASEGELLDRINNVVSL EESETRRLF A QIVHA  
 VQYCHDHHIVHRDIKASNILIDCRGNAKLCDFGLAAEVIPGQKLAGFCGTLPYCAPELLQAEKYEGLPVD  
 IWSLGVLLFLMVSGNLPFQGRSFVDLKQEIIISANFSIPSHVSIIDISNVI ELLMINPSRRPTI HQIMRHP  
 MIRGSEACLPTSTQTFFGTPSHSIVRTMTVIT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001201364

**ORF Size:** 939 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\\_001201364.1](#), [NP\\_001188293.1](#)

**RefSeq Size:** 1724 bp

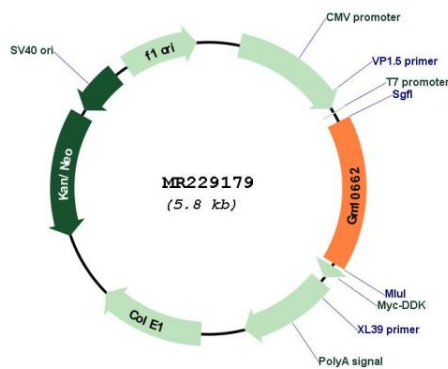
**RefSeq ORF:** 942 bp

**Locus ID:** 100043665

**Cytogenetics:** 7 A3

**MW:** 35.4 kDa

**Product images:**



Circular map for MR229179