

## Product datasheet for **MR218884**

### Yy2 (NM\_001098723) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Yy2 (NM_001098723) Mouse Tagged ORF Clone                                      |
| Tag:                      | Myc-DDK  |
| Symbol:                   | Yy2  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >MR218884 representing NM_001098723<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCTGAGACAGAGAACTTCTGTGTCTTAACACAGAAAGCGCAGAGATTCCTGCTGATTTGTGG  
AGCTGCTGCCACCGGATAATATCGGTGATATCGAGGCGGTTTCTCTGGAAACCAGCGTAGGCCAAACCAT  
CGAAGTATATGGAGATGTAGGTGTGGATGGGCGCATGGTAGCCAATACCACTCTCTGTATTGCTCTG  
CAGCCGCTTGTGGCAGCAGCCTGAGTAGTAGAGATCATGATAAGGAAATGTTTGTGCTTCCAGACACGAG  
AGGAGGAGGTGGTGGGCTACCAAGACTCAGACAACCTACTATTCAGTCCTGAATTTGGAAGCCAGATGGT  
TTTGCCAGTTAATGAAGACGACTATCTCCAGCCGACCACTGCCTCTTTTACGGGCTTTCTGGCGGCAGAG  
AATGGTCAAGGTGAGCTCAGCCCCTATGAAGGGAATCTCTGTGGTTTGACGACCTTTATAGAGGCCGGTG  
CAGAAGAAAGCGTGAACGCTGACCTGGGTGACAAACAGTGGGAGCAGAAGCAGATCGATGGTCTTGATGG  
CGAATTTCCCTTACCATGTGGGACGATGTTAATGAAAAAGAAGATCCCATAGCTGAAGAACAGGCTGGT  
GAGTACCCCCGATTATTCTGAGTATATGACAGGAAAGAAATTTCTCTGAAGGAATACCTGGCATTG  
ATCTTTCTGATCCAAACAACCTGGCAGAATTTACTAGCATGAGACCCAAAAAGCCAAAAGGAGACTTTCC  
AAGACCTATAGCATGCTCTCATAAAGGCTGCGAGAAGATGTTCAAAGATAATTCTGCTATGAAAAGCAC  
TTGCACATCCATGGGCCGAGAGTGCATGTCTGTGAGAATGTGGCAAAGCTTTTGTGAGAGTTCCAAGC  
TGAACGTCATCAGCTTGTTCACACTGGAGAGAAACCCTACCAGTGTACCTTTGAAGGCTGTGGGAGACG  
CTTTTCCCTGGATTTCAATTTGCGCACACATGTGCGAATCCATACTGGAGACAAACCTTTTCGTGTGTCCA  
TTTGATGCCTGCAACAAGAAGTTTGACAGTCAACAAACCTGAAATCGCATATCTTAACCATGTTAAGA  
ACAAGAATGACCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR218884 representing NM\_001098723  
 Red=Cloning site Green=Tags(s)

MASETEKLLCLNTESAEIPADFVELLPDNI<sup>+</sup>GDIEAVSLETSV<sup>+</sup>GQTI<sup>+</sup>EVYGDVGV<sup>+</sup>DVAHGSQYHSPVIAL  
 QPLV<sup>+</sup>GSSLSSRDHDKEMFVVQ<sup>+</sup>TREEEVGYQ<sup>+</sup>SDNLLFSPEFGSQM<sup>+</sup>VL<sup>+</sup>PVNEDDY<sup>+</sup>LQPTTASFTGFLAAE  
 NGQ<sup>+</sup>GELSPYEGNLCGLTTFIEAGAEESVNADLGD<sup>+</sup>KQWEQ<sup>+</sup>KQIDGLDGE<sup>+</sup>FPFTMWDDVNEKEDPIAEEQAG  
 ESPPDYSEYMTGKKFPPEGIPGIDLSDPKQLAEFTSMRPKKPKGDFPRPIACSHKGC<sup>+</sup>EKMFKDNSAMRKH  
 LHTHGPRVHVCAECGKAFV<sup>+</sup>ESSKLRHQLVHTGEKPYQCTFEGCRRRSLDFNLRTHVRIHTGDKRPFVCP  
 FDACNKKFAQSTNLKSHILTHVKNKNDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9074\\_g08.zip](https://cdn.origene.com/chromatograms/mm9074_g08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001098723

**ORF Size:** 1134 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\\_001098723.1](#), [NP\\_001092193.1](#)

**RefSeq Size:** 2867 bp

**RefSeq ORF:** 1137 bp

**Locus ID:** 100073351

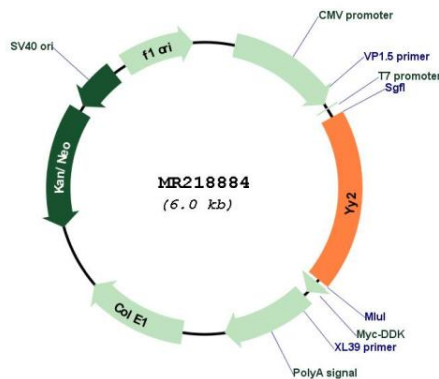
**UniProt ID:** [Q3TTC2](#)

**Cytogenetics:** X

**MW:** 42 kDa

**Gene Summary:** Functions as a multifunctional transcription factor that may exhibit positive and negative control on a large number of genes. May antagonize YY1 and function in development and differentiation.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR218884