

Product datasheet for MR202329

Tm2d2 (NM_027194) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tm2d2 (NM_027194) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tm2d2
Synonyms:	2410018G23Rik; Blp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202329 representing NM_027194 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGTGCTGGGCGGCTGCCCTGTGAGTTACCTATTGCTGTGCGGCCAGGCGGCCCTGCTATTGGGAACC
TGCTGCTGCTGCACTGTGTTTCTCGGAGCCACTCGTTTAAATGCTACGGCCGAAGTGGATCTCACACCCTC
GGGCGCCGCTCACCTCGAGGGTCCGCGGCCCTCAAGCTGGGAATACAGCGACCCCACTCGCCAGTCATC
CTTTGCTCTTACCTACCCGACGAGTTCGTAGACTGTGATGCCCCAGTGGATCACGTTGAAATGCAACTG
CCTCCCAGGAGCTTGTTATGGTTGTCTCAAGTTTGGGGTACAGGTACAGTGTGCAACACACTGC
AGTCCAGTGCAGAGCCCTGGAGGAATTGAGTGTGCCAGCCCAGGACCTTCTACGAGAAAATAAGCCT
TGTATAAAGTACACTGGACACTCTTATAAACCACGCTTCTACTCCTTCTTCTGGGATGCTTCGGAG
TCGACCGCTTCTGCCTGGCCACACTGGAACAGCAGTTGGGAAGCTGCTAACACTTGGAGGACTGGGGAT
CTGGTGGTTCGTTGATCTTATTCTGCTCATCACTGGGGGCTGATGCCTAGTGTGGCAGCAACTGGTGC
ACTGTCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202329 representing NM_027194
 Red=Cloning site Green=Tags(s)

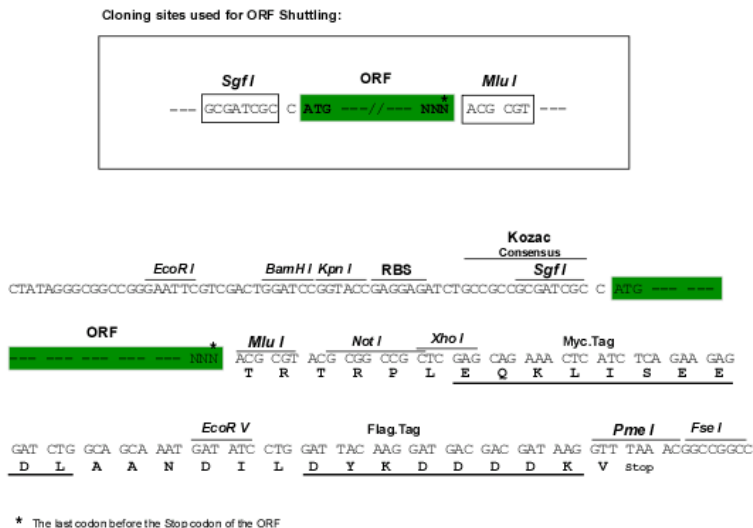
MVLGGCPVSYLLLCGQAALLLGNLLLLHCVSRSHSFNATAELDLTPSGAAHLEGPAASSWEYSDPNSPVI
 LCSYLPDEFVDCDAPVDHVG NATASQELGYGCLKFGGQAYSDVQHTAVQCRALEGIECASPRTF LRENKP
 CIKYTGHYFITLLYSFFL GCFGVDRFLGHTGTAVGKLLTLGGLGIWWFVDLILLITGGLMPSDGSNWC
 TVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9027_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027194

ORF Size: 639 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_027194.3](#), [NP_081470.2](#)

RefSeq Size: 1298 bp

RefSeq ORF: 642 bp

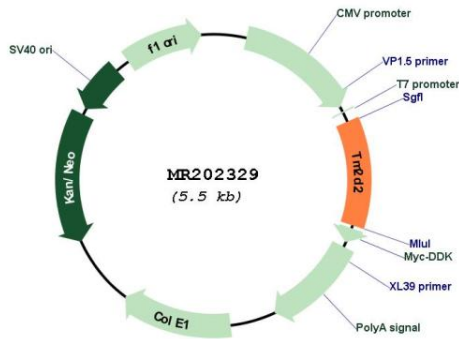
Locus ID: 69742

UniProt ID: [Q8R0I4](#)

Cytogenetics: 8 A2

MW: 23.3 kDa

Product images:



Circular map for MR202329