

## Product datasheet for **MR222525**

### Fastk (NM\_023229) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fastk (NM_023229) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fastk
Synonyms:	0610011K02Rik; 610011K02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR222525 representing NM\_023229  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGAGGCCGCGGGGGAGCCCGGCTCCCGGGCCCCAAGACCAGCTGAGAGAGTGACCTACGCGGGG  
 CCGGGGAGTCATGGTCTCCACCACCAGCTCCATGCTTGAATCCTGCTCTTGCCAGACTTCCCTGC  
 TCGGCTGTCTGGTTTGTCTATCCCACCAGTACAGCCCTGTTGTTGGGACCCAGCAAGTCCGGGGAC  
 CGGCTTTTGGAGGAGCCCTGTGCAAGGCCTTCAACGGCTTCTGGAACAGGCACGGAGCCCTGGGGAGC  
 TACTGCGATGGCTGAGCCAGAACCCACCAAGGTGCGAGCTCATCACTACCCTGTGGCACTCCGGCGTCT  
 GGGCCAGCTCTTGGTGTCTCAGCCTAGGCCCTCTCTGTGGAGCAGGCCACACTGCAGGACTTGAGTCAG  
 CTCATCATCCGAACTGCCCTCCTTTGACGTTACACCATCCATGTGTGTCTCCACCTGCAGTGTAC  
 TTGGCTTCCATCAGATGGACACTCCTGTGTGCCCTCGAGCAGGAGCGCAGTCCCGTCTCCCTCCAA  
 GCCACCCTCCCCACATCGCCTGCCATCTATGGTGGTCAAAGGTTGGAAGTGGCCCTGAGCTGCCCCGT  
 TTCTGCACTACCTCGTCAGCATCTGATCAGAAGCCTGGCAGAGGCAAGGCCAGAAGAAGTGCCTCCTC  
 ACGTAATGGTGTCTTGCCCAACACTGGCCCGGACCCTTGCGGGAACCCCAACTTCTGGAAGCCAT  
 TGCTCATTTCTGGTGGTTCAGGAAGCCAGCTCAACAGCAAGGTGGTACAGAAGTTGGTCTGCCCTTT  
 GGGAGGTTGAACTACATGCCCTGGAGCAGCAATTTATGCCCTGCCTTGAGAGGATCCTGGCTCGGGAAG  
 CAGGGGTGGCACCTTGGCCACAGTCAACATTTTATGTCGCTGTGCCAGCTGCAGTGCCTGCCCTTCA  
 AGCCCTGCAGTTGTCTTTCTCCAGTTTTATCAACCACATCAATGGCACCCCTCCTTCTGTATTGTG  
 CGACGCTACCTCTCTACTCGATACGGCTGTGGAGCTTGAAGTCCAGGATACCAAGGCCCCCGCCTTC  
 CCCAGAGCAGCGAGTGCCCATTTCCACAGCCCTCATCACTGACCGTGCCTGCAAAATACAGTCA  
 CAAGGACATGGTGTGAGGGGCTGCGCCAGCTATTAGGGGAAGAAAAGTACCGTCAGAATCTGACTGTA  
 CCTCCGGGCTACTGCACAGACTTCTACTCTGTGTGAGTAGTTCTGGTGTGTGTGCCTATGAGGACAC  
 AAGACCCCTTCTGCCCTACCCACCAGGCTCCTGCCAACAGGACCAGGCAAACTTTAACTCCACAACCCA  
 AGACCTGCCCAAAGGTTGGTGTGATGCTGAGAGAACGCTGGCATTCTGCCGAGACGGCAGGGTGTG  
 CTGGGCTCGCGGGCTTGGAGGAGCGCACCTGGGCTAATGGGCTACCAACTCTACCGCTGCCATTTG  
 AAGAGCTGGAGTCTCAAAGAGGCTGCCCCAGCTCAAGAGCTACCTGAGGCAAAGCTTCAGGCCTTAGG  
 TCTTCGCTGGGACCTGAGGGTGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222525 representing NM\_023229  
 Red=Cloning site Green=Tags(s)

MRRPRGEPGSRAPRPAERVYAGPGESWSPSSMLRILLSAQTSAPARLSGLLLIPPVQPCCLGPSKSGD  
 RPFGGGPVQGLQRLLLEQARSPGELLRWLSQNPTKVRAHHYPVALRRLGQLLVSPRPSPVEQATLQDLSQ  
 LIIRNCPSPFDVHTIHVCLHLAVLLGFPSDGPLLCALEQERRSRLPPKPPSPHRPAIYGGQRLEVALSCPR  
 FLQYPRQHLIRSLAEARPEELTPHVMVLLAQHLARHRLREPQLLEAIAHFLVVQEAQLNSKVQKLVLPF  
 GRNLNMPLEQQFMPCLERILAREAGVAPLATVNILMSLCQLQCLPFRALQFVFSFINHINGTPPSLIV  
 RRYLSLLDVALELPGYQGPRLPQRQRPVIFPQPLITDRARCKYSHKDMVAEGLRQLLGEENYRQNLTV  
 PPGYCTDFLLCVSSGAVLPMRTQDPFLPYPPRSCQDQANFNSTTQDPAQRVVLMLRERWHFCRDGRVL  
 LGSRALRERHLGLMGYQLLPLPFEELERGLPQLKSYLRQKLQALGLRWGPEGG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9077\\_d06.zip](https://cdn.origene.com/chromatograms/mm9077_d06.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**ACCN:** NM\_023229

**ORF Size:** 1638 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\\_023229.2](#), [NP\\_075718.2](#)
**RefSeq Size:** 1840 bp

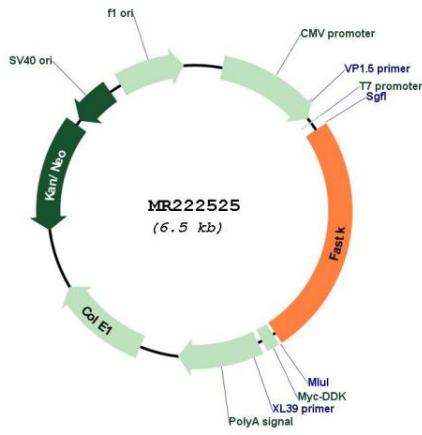
**RefSeq ORF:** 1638 bp

**Locus ID:** 66587

**Cytogenetics:** 5 A3

MW: 61.4 kDa

Product images:



Circular map for MR222525