

Product datasheet for **MG224917**

Mylk4 (NM_001166030) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mylk4 (NM_001166030) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mylk4
Synonyms: EG238564
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224917 representing NM_001166030
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGAAGGTGAAGAGGCTGGAAGAAATCAGCTCGTGCCACAGCAGCAACCCGCTGGAGAAGGTGGCGT
TTTTCCAGTGCATGGAGGAGGTGGAGAAGGTGAAATGCTTCTGGAGGAGAATTCGGGGGATCTGGACCT
GCAGTCTGGAGACAATGAGGCTGAGGAAAATGTATGGTCCAACCGTGCCTAGATGAAAGGATAATTGTC
AAAGGAGGAAGGACATCAGCCCTCACAGATGACATCCCTGCTCCTGCCGCTCCATTTGATCATCGGATGG
TAATGGCCAAACATGCTTCAGTGGACAATCTGTACACCGTGAAGCAATCTGAGATCCTAGGAGGGGGCG
TTTTGGTCAGGTACATAAGTGTGAAGAGAAAGCAACAGGCCTGAAGCTGGCTGCTAAAATCATTAAAGACT
AGAGGTGCAAAGGACAAGGAGGATGTGAAGAACGAGATCAGCGTCATGAACCAGCTGGACCACGTGAACC
TCATTCAGCTCTATGATGCCTTTGAGTCCAAGCATGACATCATCCTTGTGATGGAGTATGTGGAGGGTGG
GGAGCTCTTTGACCGCATCATTGATGAAAACGCAACTTGACAGAGCTGGACACCATCCTGTTTCATGAAG
CAGATCTGTGAGGGGATACGGTACATGCACCAGATGTACATCCTCCACTTGGATCTCAAGCTGAGAACA
TCCTGTGTGTAATCGGGATGCTAAGCAAATAAAATTTATTGATTTTGGATTGGCCAGAAGATACAAGCC
CAGAGAGAAGCTGAAGGTGAACCTTTGGAACCCAGAATTTCTTGCCTGAAGTTGTGAACATGATTTTC
GTTTCCTTTTCTACAGATATGTGGAGTGTGGCGTCATCACATACATGCTACTCAGTGGCTGTCCCCTC
TTTTGGGAGACAATGATGCCGAGACACTGACCAACATCCTGGCGTGCCGGTGGGATTTAGAAGATGAGGA
ATTTACAGGATATCTCGGAGGAGGCAAAGGAGTTTCACTCCTCAAGCTCCTGATTAAGGAGAAGGTTGGAGA
ATAAGTGCACGGAAGCTCTCAAGCACCATGGTTGTGACACCACAAGCTCCACTCCAGGCTGAGTGCAC
AGAAGAAGTGAACCTCTGGTGTCTGAACCTCACGACAAA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224917 representing NM_001166030
 Red=Cloning site Green=Tags(s)

MLKVKRLEEISSCHSSNPLEKVAFFQCMEEVEKVKCFLEENSGDLDLQSGDNEAENVWSNRALDERIIV
 KGGRTSALTDIPAPAAPFDHRMVMAKHASVDNLYTVSKSEILGGGRFGQVHKCEEKATGLKLAAKIIKT
 RGAKDKEDVKNEISVMNQLDHNLIQLYDAFESKHDIIIVMEYVEGGELFDRIIDENCNLTELDTILFMK
 QICEGIRYMHQMYILHLDLKPENILCVNRDAKQIKIIDFGLARRYKPRELKVNFGTPEFLAPEVVNYDF
 VSFSTDMWSVGVITYMLLSGLSPFLGDND AETLTNILACRWDLEDEEFQDISEEAKEFISKLLIKEKSWR
 ISASEALKHPWLSDHKLHSRLSAQKNCNSGVLNLTTK

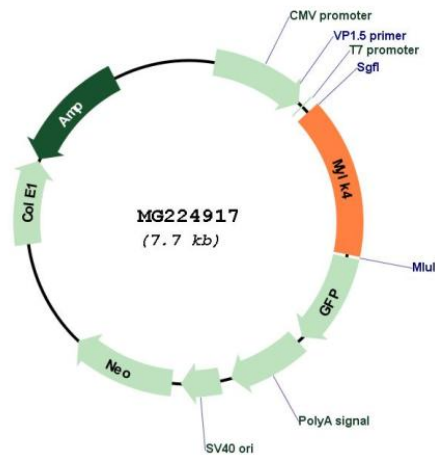
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001166030

| | |
|-------------------------------|---|
| ORF Size: | 1161 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: | <ol style="list-style-type: none">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_001166030.1 , NP_001159502.1 |
| RefSeq Size: | 5641 bp |
| RefSeq ORF: | 1164 bp |
| Locus ID: | 238564 |
| Cytogenetics: | 13 A3.2 |