

## Product datasheet for RN217511

### Maml3 (NM\_001107675) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Maml3 (NM_001107675) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Maml3
Synonyms:	Glrp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217511 representing NM_001107675 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGATTTTCGACGCCCCGCTGCTGCCGGAATGGTGGTAGTATCTGTATCAACAGCAGCCTGAGCA  
GCAGCCTCGGCGGGGCCGGATCGGCGTGAATACTCCCAATAGCACTCCGGTGGCTCCGAGTAGCAATCA  
CCCCGCTGCCGGCGGCTGCGGCGGCTCCGGGGCCCCGGCGCAGCTCGGCGGCCGTCCCCAAGCACAGC  
ACGGTAGTCGAGCGGCTCCGCCAGCGCATCGAGGGCTGCCGCCGCCACCGTCAACTGCGAGAACAGGT  
ATCAGCAGGCTCAGGTGGAGCAGCTGGAGCTGGAGCGCCGGGACCGGTGAGCCTCTATCAGAGGACCTT  
GGAGCAGAGAGCCAAGAAATCGGGCGCCGCCACCGCAAGCAGCAGCACCCGAGTAAAGCCAGCAAGAT  
GCGGAGGCTGCCTCAGCCGAGCAGAGGAACCATACGCTAATCATGCTGCAAGAGACTGTGAAAAGGAAGT  
TGGAAGGGGCCCGTTACCGCTAAATGGGGACCAGCAGAATGGTCTTGGCAGCGGAGCTTCTCTCCAAC  
AAGCAAGCGCATCCGAAAGGATCTTAGCACCGGCTGGAAGCCATCAACAATCTACCCAGCAACATGCCA  
CTGCCTCAGCTTCTCCCTCCATCAACTTGACCTCAAGCCTTCTTTGCCATTGCAGAACAGTGTGTCC  
ACACCCCTGGGCTTCTAGAAGACCTGAGTAAGAATGGCAGGCTCCCTGAGATTAAGCTCCCTGTCAATGG  
CTGTGGGGATCTAGAGGATAGCTTTGCTATCTTGCAACAAGGACCTCAAACAGGAGCCTCTGGATGAC  
CCCGCTGCATAGACACATCAGAAACATCCCTTCTAATCAGAACAAGCTGTTCTGACATTAACCTTA  
ATGACCAAGAGTGGCAAGAAGCTCATAGACGAACTGGCCAACACGGTCCAGAAAGATGACATCCAGGACCT  
ATTCAATGAAGACTTTGAAGAGAAGAAGGAGCAGGAATTCTCACAGACAGCCATGGAGACCCCACTCTCC  
CAGGAGAGCGTGAGTGTGAAGAGTGATGCCTCTCACTCTCCTTTTGCACACGTCTCTCTGGGATCGCCTC  
AGGCCAGACCTTCATCTTCTGGCCCTCCCTTTTCTACTGTCTCCACAGGCACTAGCTTACCATCCGTGGC  
CAACACTCCCGTGGCTCCAAACCCTGCCAGCTCGCCAGCTAACTGTGCTGTCCAATCCCCGAGACTCCA  
ACCCAGGCCACACTCCAGGTCAAGCCCCACCTCGGCTGGCAATGGCTATCTCCTTAATCCAGTCTCTG  
CGGCAGTGTCTGGTTCAAGGTCAGGCTCTGTGGCAGTGCCAGCTCTGACATGTCCCAGCAGAGCAGCT  
CAAACAGATGGCTGCCAGCAACAACAGAGGGCGAAGCTCATGCAGCAGAAGCAGCAGCAGCAGCAGCAA



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CAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCACTCAAATCAGACTTCAAGTTGGTCTCCCT  
 TAGGGCCTCCGTCAAGTCCGTATGGAACAGCTTTTGCTTCAGAGAAACCAATAGCCCAATGATGTACCC  
 CCAAGCCTTTAAACAACCAAGCACTATAGTGCCTGCAATGGCCAACAGCCTGCAGAAGACGACCATGAAC  
 AACTACCTCCCTTCCAATCACATGACTATGATCAGTCAGCAGCCAATAACTTGGGTACAACTCCTTAA  
 ACAACAGCACAATATTTCCACCTATGGCAACACTAAGCCTCTGACCCATTTAACCGGGACTTGAGTCC  
 GAGAATGAGCCCCCTATGGCCAACCCAGTAAAACCCCTTGATGCCCTACATCCAGCAGCCTCCGCGAG  
 CCACAGCCTCCACAGCAGCAGCCGCCAGCAGCAGCCTCCACCTCCACCGCAGCTGCAGGCTCCAGGG  
 CGCACCTGAGTGAGGACCAGAAACGCATGCTTCTCATTAAAGCAGAAAGGAGTGATGAACCCACCCATGGC  
 CTATGCTGCGCTTCTGCCACGGTCAGGAGCAGCATGCAGTTGGTATTCCCCGGACCACGGGCCCATG  
 CAGAACTGTGCCTCCAGGGTCGGGGCGCATGGTCTCCGGAGCGAGCCCTGGGGTCTTGGATTCTAG  
 GCAGCCAGCCACAGGCAGCCATCATGAAGCAGATGCTAATGGATCAACCGGCCAGCTGATGGAACATCA  
 GAAGCAACAGTTCCTTCGGGAGCAGAGGCAGCAGCAGCAGCAACAGCAACAACAGCAGCAGCAGCAG  
 CAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAGATCTGGCTGAGCAGCAAT  
 TACACCAGTCACACCTGCCCGCCAGCACCTCCAGCAACAGCGGACTCCATACCCAGTGCAGCAGGTCAA  
 TCAGTTCCAAGGTTACCCAGGACATAGCAGCTGTGAGGAACCGGAGTGTCTCCAGCAGCATGCGG  
 ACATCAAGGCTGATGGCAGAAATGCGGGCATGGTGGGAATGGGACCGTCCCAGAACCCAGGGACAATGG  
 CTACAGCAGCAGCACAGTCAGAGATAGGACTGGCCCTTACAGTGCCCTCCAACAGCCAGCCGGGAAT  
 GTACAACATGAACACAGGAATGACCCAAATGTTGCAGCACCCAAACAAAGTGGCATGGGCATCCCACAC  
 AACCAACCCAGGGACCCAGGCAGCCAGCCTCCGGCCAAGGGTTCGGCGTGGTGGTGGCTTTGGTCAGA  
 GCATGCTGGTGAACCTCGGCTTTTTCCAGCAACACCAGCAGCTGAAAGGACCTGTGGGCCAGGCCTTGC  
 TAGGCCCAAGGCCCTCCGAGACTTCAGAGTGTATGGGAACCGTCCAGCAAGGAGCACAAAAGTGGCAA  
 CAAAGAAGTTTACAGGGAGTGCCCGGGAGGACTAGTGGCGAGTTGGGACCATTCAACAATAGCCAGCT  
 ACCCACTTGACGCTGGTCAGCCAAGACTGACCAACAACACTTCCACAGGGACTGAGCCAGCCAGTCAT  
 GGATGGTAACCCCTGGCGCAGTGAGAACCCTCAACCCAGCAGCTATGGGAGGTGAGATGATGCCACCCCTG  
 GCAGGACAGCAAGGTGCCAGCCAGGGGAGGCGTGGTGCATCCCTGGCCTGAGTCAGGGTGTCCCGGCA  
 TGCCAGCATTAGCCAGCCACAGCACAGCAGCAGATAGCAGGTGGCAGCTTTGCTGCAGGCAACCAGGG  
 CCAGGCCACGAGCGGAACCCCTGCCAGGACATGTACATAATTATAGCGGTGAGGGTCCCGGGCTTCC  
 TTCCCTGGCCTCCAGACAGTACAGACCTCGTGGACTCCATCATCAAGAGTGGCCAGGGGATGAGTGA  
 TGCAAGAGCTTGATGAAGTGTGGTAATCCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001107675
- Insert Size:** 3465 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001107675.2](#), [NP\\_001101145.2](#)

**RefSeq Size:** 3465 bp

**RefSeq ORF:** 3465 bp

**Locus ID:** 310405

**Cytogenetics:** 2q26