

Product datasheet for **RN201651**

Mastl (NM_001107369) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mastl (NM_001107369) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mastl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201651 representing NM_001107369
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTCCGCCTCGGAAGTGAGGAGAATGAAGAAGGTGCGGCGACAGAGAAATGCGTGAATAGGATCC
 CAGTACCAAGACCACCCTCCATTGAAGAATTCACTATAGTGAAGCCATTAGCCGTGGCGCATTCGGGAA
 AGTGTACCTGGGACAGAAAGGCAGCAAGTTGTACGCGGTGAAGGTTGTCAAAAAAGCAGACATGATCAAT
 AAAAATATGACTCATCAGGTACAGGCTGAGAGAGATGCCCTGGCACTGAGCAAAAGCCCTTTTGTGTGC
 ATCTGTATTACTCACTACAGTCAGCAAGCAACGTCTACTTGATAATGGAATATCTTATTGGTGGAGATGT
 CAAGTCTCTCCTACATATATATGGTTATTTTATGATGAAGAGATGGCTATAAAAATACTTCTGAAGTAGCA
 TTGGCTTTAGACTACCTGCACAGACATGGCATCATCCACAGGGATTTGAAACCGGACAATATGCTTATTT
 CCAATGAGGGTCATATTAAGCTGACAGATTTTGGCCTTTCCAAAGTTACTCTGAATAGAGACATCAATAT
 GATGGATATTCTACGACACCATCAATGTCTAAACCTAAGCAAGATTATTCGAGAACCCAGGACAAGTC
 TTATCTCTCATCAGTTCTTTGGGATTTTTCACACCAGTTGGAGAAAAAGATCAAGACTCTGCAAAATGTGT
 TTTTCAGCACCTAAGTCTGAAGCACAACCTTTCTCAAGGATCAATTTGTCCTATGTCATAGATCAGAAGGA
 GCCAATTTCTTATTCTAGCAAATACTAAAATCATGTTTTGAAACACTTGCATCCAATCCAGAAATACCT
 GTGAAATGTCTGACTTCTAATCTACTCCAGTGTAGGAAAAGACTGGGTACCTCAAGTACTAGTAGCCAGT
 CTCATACCTTCGTATCCAGTGTGGAGTCAGAAATGTCACAGCAGTCCCAATGGGAGAAAGACTGCCAGAG
 TGCCAAGCCATCAAGTACAATGATGAGCTGGAGTCCCGGTGAAATGCCGTATGCAAAATCTGAAGTGCC
 ATCGAGACAAAAACGGATTTGGAATTAGCACTTTCTCCATTATGACAGCAGTAACATTCCTCCCACTG
 GAAGAACTACATGACCCTCCCTAGAAAAGTGCTTCTCCAGGAAAATCTCTTGGGAGGCAAGAGAACCGGA
 TATAAATAATGAGACCATTGACCATTGACGAGGTCAAGTTTCTGTCAGTCCAATCATTGGGCTGTAATTTCT
 AGTGCTACATCTGAAGAACCTCTGTAAGAAACTGTAAAAGAAATTTCCACTTGTTGACTCCAGTC
 CTTGTGAGAAATATACAAAGTAAAAAAACTGTATAGAATATGAAGCCAATAAGGAAAAGACAGGCTG
 TTGTGCAAAATCAAGCTACAGGCTTACAGCCCAAGTCCAGAACCTGAAGCTATCAGTGTGCAAAAGTCAG
 CAACATGACTATGCTAATAAGGAGAACCTGTCACCTATTTAACTGACAGACGAACCCAGAGAAGACTGC
 ATATAACCAACAATAGCAAAGAACCTCATGTCTGAGCTCGATGAAGACTGTGAGCTGAGCAGTAAAAAGA
 CTGCCTCCATTCTAATTCGTATGTTCTGATGAGGATAGAGCTCCTAAAAGTGTCTGTGACTCTGAT
 TCATCTTTTCTGGAGTGTCTATGATGAAAGTTCAGTGGAAATTCAGGCCTTAGAGCCAGATAAAAGCA
 TCAGAGACTACTCTTTGAAAGAACAAATACTGAAGATCTACTTATGTTACCAAAATGCCAAGAAAATTC
 CTTGCCAAAAGATGACTGGCATGCTTCTATCCAAGACAGTAACCAAAATGTTAGCTCCTCCTTCAAAGGCG
 CCAAAAACATTCGCCTCTAAAACCAATGTGCGTGGCTTTTCGAAGTTTTAGCAGTCACATTAATGCATCCA
 GTAATTCAGAACCATCCAAGTGAGCACAACCTTTTAGACACTATGGACATTTCTGTGACTACAGTGG
 TTCGTGTCCCATGGCTGTGACCCCTACTGAGAAAGGGAGGGCCTGTGTGTACATCAGACTCCGAGTCAG
 GTCAAGTTGGGAACATCATACAGAACTCCAAGAGTGTGAGAAGAGGGCCACCCCAAGTAGATGATGGAC
 GGATTCAGGAACCCCGGATTACCTGGCACCTGAGCTCCTACTGGGAGCCGCCATGGTCTGCAGTAGA
 CTGGTGGCAGTGGAGTCTGCTTTGTAATTTCTAACAGGAATCCCCCTTTCAATGATGAAACACCA
 CAGCAAGTATTCAGAATATTCTAAAAAGAGATATCCCGTGGCCAGAAGGTGAAGAAAAGCTATCTGATA
 AGTCTCAAAGTGCATGGATATGCTGTTAACCATTGATGACACAAAGAGAGCTGGGATGAAAGAAGTAA
 ACATCATCCTCTTTCAGTGAAGTGGACTGGGAGAATCTGCAGCATCAGACTATGCCTTTTCGTGCCCCAA
 CCAGACAACGAAACAGATACATCCTACTTTGAAGCCAGGAACAATGCTCAGCATCTGACCATATCTGGGT
 TCAGTCTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107369
Insert Size: 2601 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).
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:	<u>NM_001107369.1</u> , <u>NP_001100839.1</u>
RefSeq Size:	2989 bp
RefSeq ORF:	2601 bp
Locus ID:	307169
Cytogenetics:	17q12.3