

Product datasheet for **RR201579**

Gal3st3 (NM_001024290) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gal3st3 (NM_001024290) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gal3st3
Synonyms: MGC105600
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201579 representing NM_001024290
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCTATCCTCCAGCGCCTGCAGCAATCCACCAAGATGATGAGCCGCAGGAAAATTCTGCTATTGG
 TGCTAGGGTGCAGCACCGTAAGCCTCCTCATCCACCAGGGGTCGAGCTCAGTTGGTACCCCAAGTTGTT
 CCCTCTGAGCTGCCCGCCTCTTCGAGAATCGCCACCCCGTGCCAAGCACATGGCCGTGGCCTTCCTGAAG
 ACTCACAAGACAGCGGGTACGACGGTGCAGAACATCCTGTTCCGCTTCGAGAAGCCACAACTCACTG
 TGGCCCTGCCTCACCTAGCTGCAGCACCAGTTCTGCTACCCGCGAAACTTCTCGGCACACTTCGTGCA
 CCCGGCCACGAGGCCCCACACATGCTGGCCAGTCATCTGCGCTTCGACCGTGCAGAACTCGAGCGCCTC
 ATGCTCCAGACACGATCTACGTTACTATCCTGCGCGAACCTGCCGCCATGTTTCGAGTCGCTTTTCAGCT
 ACTACAACCAGTACTGCCCGCCTTCAGGCGCGTGCCCAATGCGTCGCTCGAAGCCTTCCTGCGCGCACC
 CGAGGCCACTACCGTCCAGGCGAGCACTTCGCCATGTTTGCTCACAACACGCTGGCCTATGACCTGGGA
 GGCGACAATGAGCGCAGCCCTCGCGACGACGCGCCTACCTGGCGGGCCTCATCCGCCAGGTGGAGGAGG
 TCTTCTCGCTTGTCATGATTGCAGAGTACTTCGACGAGTCACTTGTGCTGCTGCGCGCTACTGGCCTG
 GGACCTAGATGAGTGTCTACGCCAAGCTCAACGCGCGCGCCACATCGCGCCTGGCCACCATCCCG
 GAGGCGCTGGCAAGGGCCGCGCACCTGGAACGCGCTGGATGCCGCGCTCTACGACCACTTCAACGCCA
 CCTTCTGGCGCCGCTGGCGCGCTGGTGCATGCGTGGAGCGGAAGCGCGAGCTGCGCGAGGC
 CCGCCAGCGTCTACTGCGTCTGTTGCTTTGGCGACGAGCCGGTGTGCGACCACTGCCCAGATTGCGACA
 AAGCAGCTGCAGCCTTGGCAGCCTAGCCGCAAAGTGGACATCATGGCTATGATCTGCTAGCGCGCGG
 GCGCTGGCCCTACTACGGAGGCTGCCTCAAGCTTGCTATGCCCGAGGTGCAGTACTCAAATATCTGTT
 AAGGAAGCAAAAACGCCGCGTGGTGTGCGGTCCAGGCCAGAACCCTGCTGGATAATCCTCCCCCTCGG
 CCCATCCGAGCACTGCCCGTATCCCCAAGGTACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR201579 representing NM_001024290
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MAAILQRLQQSTKMMSSRRKILLVLGCSTVSLLIHQGSQLSWYPKLFPLSCPPLRESPPRAKHMVAFLK
 THKTAGTTVQNILFRFAERHNL TVALPHPSCEHQFCYPRNFSAHFVHPATRPPHMLASHLRFDRALERL
 MPPDTIYVTILREPAAMFESLFSYNNQYCPAFRRVVPNASLEAFLEAPEAYRPGEHFAMFAHNTLAYDLG
 GDNERSPRDDAAYLAGLIRQVEEVFSLVMIAEYFDESLVLLRRLAWDLDDVLYAKLNARAATSRLATIP
 EALARAARTWNLADAGLYDHFNATFWRRVARAGRACVEREARELREARQRLLRRCFGDEPVLRPAAQIRT
 KQLQPWQPSRKVDIMGYDLPSSGGAGPTTEACLK LAMPEVQYSNYLLRKQKRRGGVRSRPEPVLNPPPP
 PIRALPRIPQGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

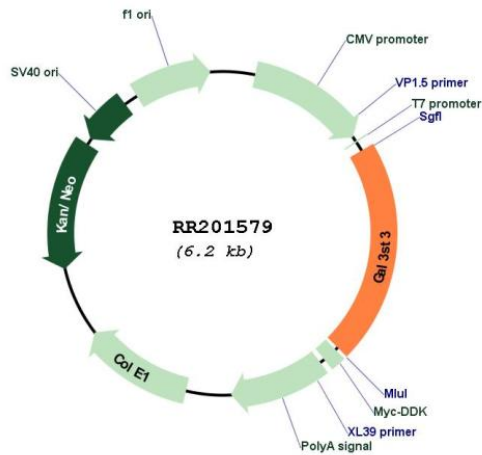
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001024290

| | |
|-------------------------------|---|
| ORF Size: | 1296 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_001024290.1 , NP_001019461.1 |
| RefSeq Size: | 2213 bp |
| RefSeq ORF: | 1299 bp |
| Locus ID: | 499302 |
| Cytogenetics: | 1q43 |
| MW: | 49.3 kDa |