

Product datasheet for RR216707

Gal3st1 (NM_001109447) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gal3st1 (NM_001109447) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gal3st1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216707 representing NM_001109447 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAGATGATAGAGAGGGCATGGCAGAATGGAGCAGAAGCTCCCCAAAGGTTACCAGATTGGAGACC
TCTGGAATCATCAGTGGTTTCTTGAGATGACTCTACTGCCGAAGAAGCCCTGCAAGTCCAAGGCCAAGGG
GCTAGTGTGGGGCTCTCTTAACCAAGTTTCTATTGCTGTACTCCTATGTGGTACCTCCACTGTAT
CCCAACTTGGCCCTCACGACCTCAGAGGCTGCAGCGCCCTGCTCCCTGTCCCAATGAGCCAGTGGCAG
CCTCCCGCAACGGCTCTGCCGAGGGTGCCAACTCGGCGGGATATTGTGTTTCATGAAGACGCACAA
GACCGCCAGCAGCAGCTGCTCAACATCCTCTCCGCTTCGCGCAGAAGCATGAGCTCAAGTTCGCCTTC
CCCAATGGCCGCAACGACTTCCACTACCATCGTACTTCGCACGAAGCCTGGTGCAGGACTACCGCCAG
GGGCATGCTTCAATATCATCTGCAACCACATGCGCTTCCACTACGAGGAGGTGCGCGGGCTGGTGCAGCC
GGGTGCTACCTTCATCACGGTCATCCGCGACCCGCTCGTCTCTCGAGTCTCCTTCCACTACTTTGGG
TCCGTGGTGCCGCTCACTTGAAGCTGTCGAGTCGCGACAAGCTGGCTGAGTTCCTGCAGGATCCCGATC
GCTACTACGACCAAGCAGCTACAACGCGCACTACCTCCGTAACCTGCTCTTCTCGACCTGGGCTACGA
CAGCAGCCTGGATCCGGGCGAGCCCGCGCTGCAGGAGCACATCCTGGAGGTGGAGCGCCGCTTCCACCTG
GTGCTGCTGCAGGAGTACTTCGACGAATCCCTGGTGTGCTCCGGGAGCTGCTGTGCTGGGACCTGGAGG
ACGTGCTGTACTTCAAGCTCAACGCGAGGCGGACTCGCCGGAGCCGCGGCTCTCAGGCGAGCTGTACCG
CCGAGCCACCGCTGGAACCTGTGGATGTGCGTCTTACCGCCACTTCAACGCCAGCTTCTGGCGAAAAG
GTGGAGGCCTTCGGGCGGAGCGCATGGCGAGCGAGGTAGCCAAGCTGCGCCGAGCTAACGAGCACATGC
GCAGCATCTGCATAGATGGCGGCAAGCGGTTGATGCGGAGGCCATCCAGGACTCCGCCATGCAGCCCTG
GCAGCCCTGGGCATCAAGTCCATCCTGGGTTACAACCTCAAGAAGAGCATCGGGCCACAACACGAGCAG
CTCTGCCGCGCATGCTCAGCCCGAGATCCAGTACCTGTCTGACCTTGGTGCCAATCTCTGGATACCA
AGCTCTGGAAGTCTTTAGGGACTTTCTAAGATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216707 representing NM_001109447
Red=Cloning site Green=Tags(s)

MRDDREGMAEWSRSPKGYIGDLWNHQWFPEMILLPKKPKSKAKGLVLGALLTSFLLLLYSYVVPPLY
 PNLAFTTSEAAAPCSPVPNEPVAATPANGSAGGCQPRRDIVFMKTHKTASSTLLNILFRFGQKHELKFAF
 PNGRNDFHYPYFARSLVQDYRPGACFNICNHMRFHYYEVRGLVRPGATFITVIRDPARLFESSFHYFG
 SVVPLTWKLSRDKLAFLQDPDRYYDPSSYNAHYLRNLLFFDLGYDSSLDPGSPRVQEHILEVERRFHL
 VLLQEYFDESLVLLRELLCWDLEDVLYFKLNARRDSPPEPRLSGELYRRATAWNLLDVRLYRHFNASFWRK
 VEAFGREMASEVAKLRANEHMRSICIDGGQAVDAEAIQDSAMQPWQPLGIKSILGYNLKKSIGPQHEQ
 LCRRLMTPEIQYLSDLGANLWITKLWKFRRDFLRW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

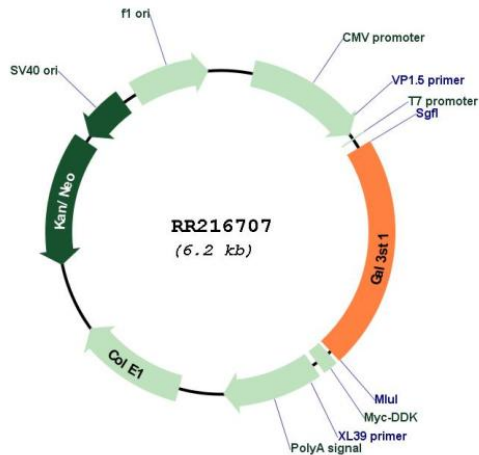
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001109447
ORF Size:	1365 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_001109447.1 , NP_001102917.1
RefSeq Size:	1858 bp
RefSeq ORF:	1368 bp
Locus ID:	683713
Cytogenetics:	14q21
MW:	52.8 kDa