

Product datasheet for **MC227466**

Gal3st2b (NM_001205249) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gal3st2b (NM_001205249) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gal3st2b
Synonyms: ENSMUSG00000056307; Gal3ST-2; Gal3st2; Gm9994
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227466 representing NM_001205249
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGGATCCCAACACAGGTCCTTCCAGGTGGCACTCTGGTTCCTGGTCTGGCTGTGTTCTCTCTGG
 TTGGTTTCTGCATGTGGACTTCAGACTACTTATACCGGACAAGGTCCAGGAACCACCGGTACAAAACAT
 CATGTTTCTCAAGACTCACAAGACAGCCAGCAGTACAATCCTCAACATCCTCTACCGCTTCTCAGAGTCT
 CACAACCTATCCACAGCACTGCCCGAGGGCTCTAGAGTCCATCTGGGTTACCCCTGGTTTTTTGTGACAC
 GGTATGTGGAGGGCTGAAGCAGGACGCCACCTGCAGCATCACTTTAACATCATGTGCAACCACCTTCG
 GTTCAACTATCCTGAGGTGCAGAAAGTCATGCCAGGGGACACTTCTACTTCTCCATCCTCCGGAACCCA
 GTTTTCCAGCTGGAGTCTCCTTCATCTACTATAAGGACTATGCACCTGCCTTCCAGAGAGCCAAGAGCC
 TGGACGAATTCCTGGCAGATCCGTGGAAGTACTACAACGCTAGTGTGAGCCTGAAAAATGTCTATGCGAA
 AAACAACATGTGGTTTGATTTTGGTTTTGACAACAACGCCCCAGCAGACATGGACTATGTTTCGAAAGCGC
 CTTGCGGAGGTGGAGCAGCGATTCCATCTGGTGCTCATTGCAGACTACTTCGATGAGTCTATGGTGCTGC
 TGCCGAGAAGGCTGCGCTGGCAGCTAGATGACGTGCTGCTTCAAGCTGAACGTGCGCAGCCAGCAGTAC
 TGTCTCCACCTGACGCTGAGAGCCAGGAGCGTCCAGCACTGGTGTGCGCTGGACTGGCAGCTCTAC
 CAGCATTTCATCGCACGTTTTGGACCCAGCTGCATGCGGAGCTAAGCCACGCCAGCTCACAGAAGAGG
 TGGAGCAGCTGCGGGAGAGGCAGCGGAGCTCATGGCCCTGTGTCTTCAGGATCCAGAGCCCAAGAACCT
 GACACACATAGATGACCAGAATCTGCGTCTTACCAGGGTGGGAAGGCCAATATTCTGGGCTACAACCTT
 AGGCATGGTCTGGACACCACCACACTGCATATCTGTGAGAGAATGGCGATGCCGAGCTCCAGCAGATGG
 CCCATATGACTCTCTGCAGTTTCCGACAAGACTCCCAAGGATATCCCATTCCTGAAAAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001205249
Insert Size:	1185 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:	<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_001205249.1</u> , <u>NP_001192178.1</u>
RefSeq Size:	1185 bp
RefSeq ORF:	1185 bp
Locus ID:	100041596
UniProt ID:	<u>Q6XQH0</u>
Cytogenetics:	1
Gene Summary:	Transfers a sulfate group to the hydroxyl group at C3 of non-reducing beta-galactosyl residues. Acts both on type 1 (Gal-beta-1,3-GlcNAc) and type 2 (Gal-beta-1,4-GlcNAc) chains with similar efficiency (By similarity).[UniProtKB/Swiss-Prot Function]