

Product datasheet for **RN216636**

Gbx1 (NM_001271453) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gbx1 (NM_001271453) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gbx1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216636 representing NM_001271453 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTCCGGAGGGCGACACCCCGAGCCCGCCCGCCCGCCCTCCCTCCTTATGAGCGAGGGAGCGCGG
CGCCGGAGCCACACTGCGCCGAGCCCGCCCGCCCGCTACCTCGGCCCGCGCGCCCGCAGCGAGCCCTG
CGTGTCCGCGCCGGGCGCACGGCGGGGCCCGGGCAGCGCCATGCAGAGAGCGGGCGGGCGGCCCGCC
GGGGCAGCGGGGAGCGGGCGGGCGGCCCGCCCGCCCGCCCTCTCCATCGACTCGCTCATCGGGCCGCCG
CGCCCGCTCGGGCCACCTGCTACACTGGCTACCCCATGTTTCATGCCCTACCGCCGCTCGTGCTGCC
GCAGGCGCTGGCCCGCGCGCGCTGCCCGCGGCTGCCCGCGCTGGCCCGCTCGCTCGTTTCGGGGC
CGCCTGAGCAACACCTTCTGCGCGGGGCTGGGCCAGGCGGTGCCCTCGATGGTGGCGCTGACCACTGCAC
TGCCAGCTTCGAGAGCCCCCGACGCTACTACGGACCCCGGAGCTCGCCCGCGCCCGCCCGCCCGC
CGCCGCTCCACCGTCTCGCAAGCAACCCGAGCCCGCCCGCGCGCACAGACGGAGCGCTGGATGCG
GACGAGCTGCTGCCTGCGCGGAGAAAGTACTGAGCCTCCGCCCGCCCGCCCGCCCGCTCCGCACT
TCTCAGAGACTTCCCGAGTCTGCCGCGAGAGGGAAGGTGTACAGCTCAGATGAGGAGAAGCTGGAGCC
CCCAGCAGGAGAGCCAGCAGGCGAGCGGAGGAAGAAGGCTCAGGCGGTGACAGCGAGGACAGCTTC
CTGGACAGTTCTGAGGGGGCCAGGGGCTCTTCTGGGACCTAAACCGAAGCTAAAGGGAAGCCTGGGA
CTGGCGCAGAGGAGGGGACACCACTGGCCACAGGGGTACACAGCCTGGGGGAAAGCCGAAGGCGCG
CACAGCCTTCACTAGCGAGCAGCTTTTGAGCTGGAGAAGGAGTTTCACTGCAAGAAATACCTGAGTCTG
ACCGAGCGCTCCAGATCGCCACGCCCTCAAGCTCAGCGAGGTGCAGGTGAAGATCTGGTTTCAGAAAC
GCCGGGCAAGTGAAGCGAATCAAGGCTGGCAATGTGAGCAGCGTCTGGGGAGCCGTGAGAAACCC
CAAGATCGTAGTCCCATACCTGTGCACGTCAACAGGTTTGCTGTGCGCAGCCAGCAACAGATGGAG
CAGGGGGCCCGGCCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001271453
Insert Size:	1278 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:	<u>NM_001271453.1, NP_001258382.1</u>
RefSeq Size:	1831 bp
RefSeq ORF:	1278 bp
Locus ID:	246149
Cytogenetics:	4q11