

Product datasheet for **SC303031**

GBX2 (NM_001485) Human Untagged Clone

Product data:

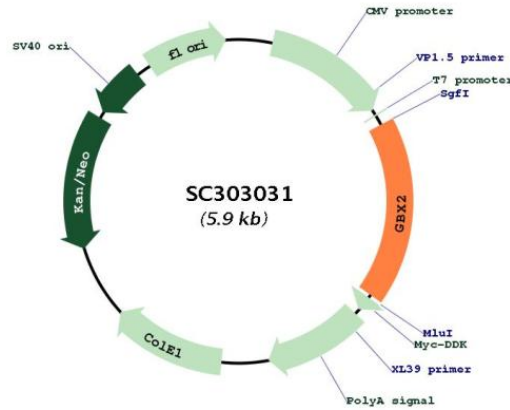
Product Type:	Expression Plasmids
Product Name:	GBX2 (NM_001485) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303031 representing NM_001485. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCGCAGCGTTCCCGCCGTCGCTGATGATGATGCAGCGCCCGCTGGGGAGTAGCACCGCCTTCAGC
ATAGACTCGCTGATCGGCAGCCCGCCGAGCCAGCCCGGCCATTTCTGCTACACCGGCTACCCCATG
TTCATGCCCTACCGCCGGTAGTGCTGCCGCCGCCGCCGCCGCCGCCCGCTGCCAGGCCCGC
CTGCAGCCAGCGCTGCCGCCGCACACCCTACCACCAGATCCCAGCCTGCCACAGGCTTCTGCTCC
AGCCTGGCGCAGGGCATGGCGCTCACCTCTACGCTCATGGCCAGCTCCCCGGCGGCTTCTCCGCTCG
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GACAAGGCGGAGGCGCTGCAGGCTGACGCGGAGGACGGCAAAGGTTCTGGCCAAAGAGGGCTCGCTG
CTCGCCTTCTCCGCGCCGAGACGGTGCAGGCTTCGCTCGTCGGGGCTGTCCGAGGGCAAGGAAAAGAC
GAGTCAAAGGTGGAAGACGACCCGAAGGGCAAGGAGGAGCTTCTCGCTGGAGAGCGATGTGGACTAC
AGCTCGGATGACAATCTGACTGGCCAGGCAGCTCACAAGGAGGAAGACCCGGGCCACGCGCTGGAGGAG
ACCCCGCCGAGCAGCGGCCCGCGGGCAGCACACGTCTACGGGCAAGAACCAGCGCGCGGACTGCC
TTCACCAGCGAGCAGCTGCTGGAGCTAGAGAAGGAGTTCCACTGCAAAAAGTACCTCTCCTTGACCGAG
CGCTCGCAGATCGCCACGCCCTCAAATCAGCGAGGTGCAGGTAAAAATCTGGTTCAGAACCGACGG
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ATCGTCGTCCCCATCCCTGTCCACGTGACGAGGTTGCTATCAGAAGTCAGCATCAGCAGCTAGAACAG
GCCCGGCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001485

Insert Size: 1047 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_001485.3](#)

RefSeq Size: 1795 bp

RefSeq ORF: 1047 bp

Locus ID: 2637

UniProt ID: [P52951](#)

Cytogenetics: 2q37.2

MW: 37.3 kDa

Gene Summary: May act as a transcription factor for cell pluripotency and differentiation in the embryo.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).