

## Product datasheet for **SC306330**

### GREB1 (NM\_148903) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GREB1 (NM_148903) Human Untagged Clone
Tag:	Tag Free
Symbol:	GREB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306330 representing NM_148903. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAAATTCCTACGCTGGACAGCTGAAGACGACACGCTTTGAAGAGGTCTTGACAATTCATCGAG
GCATCCCTGCGGTCCAACAACCTGGTGCCAGGCCCATCTTTCCAGCTGTACCTGGAAGCTGAGCAG
CAGCTTGCCGCTCTAGAAGTGGTAGCCGAGTGGACAATGAGGAAGGAAGAAGAGGGAGAAGGAGGG
CTGAAACAAATGGCCCCCAACCCCTTCCAGCTGCACCCTCTGCCTGAAGGATGCTGTACCACAGAC
GGGTTTTGCCAGGCCGGGAAGGACCTGCGCCTTGTCTCCATTTCCAACGAGCCCATGGATGTCCTGCG
GGTTTTCTCCTCGTGGGGTCAAGTCCCCAGCCTGCCGACCTCTCCTGGTGTGCGCCGTTGACAAG
AGGTTCTTGCCAGATGACAATGGCCACAATGCTCTTCTGGTTTCTCTGGGAATTGTGTTGGCTGTGGA
AAGAAAGGCTTCTGTTACTTCACGGAATTCTCCAATCATATAAATCTGAACTGACCACTCAACCCAAG
AAGCAGAAACTTGAAGTATTACCTGGTCCGTAATGCACAAGGGACTCTAACCAAGGACCTTTAATC
TGTTGGAAAGGCTCAGAGTTTAGAAGCCGGCAGATCCCCGCCAGTACTTGTCCAGTTCCTCTTCCCA
GCCCTGGAGAGCACGGCTGCCTTCCCCAGCGAGCCGTTCTGGGACGAACCCAGCATCCTGATGGGA
GCTCAGCAGGCAGGACCAGCTTCTGATCACCCCTCACTAACGCAGCAATGGGTCGGCTGTTTTCAAC
GGCAAAGATTCCCGAAGTGCCAACAACCTGGCAAAGAATAACCTGTTGGCCCTGCCGCGACCATCGGCT
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GTGCCGACAGTTGGCTTGGTGGGACCAGCTTCACTCACCTTTCCAGTGGTGGCCTCTGGAGAACCAGTG
TCTGTTCTGACAACCTGCTGAAAATATGCAAGGCCAAGCCAGTGATATTTAAAGTATTTGTAATGGT
GCTACCAAAATGGTAGCCCTTGGTCCGGCAGAACCTGCATCGCCCCGGAGCTTATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_148903



<b>Insert Size:</b>	1230 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_148903.2</a>
<b>RefSeq Size:</b>	2334 bp
<b>RefSeq ORF:</b>	1230 bp
<b>Locus ID:</b>	9687
<b>UniProt ID:</b>	<a href="#">Q4ZG55</a>
<b>Cytogenetics:</b>	2p25.1
<b>MW:</b>	43.3 kDa
<b>Gene Summary:</b>	<p>This gene is an estrogen-responsive gene that is an early response gene in the estrogen receptor-regulated pathway. It is thought to play an important role in hormone-responsive tissues and cancer. Three alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (c) contains alternate 5' and 3' UTRs, and 3' coding region, compared to variant a. This results in a shorter isoform (c) with a distinct C-terminus, compared to isoform a.</p>