

Product datasheet for **SC304153**

GREB1 (NM_014668) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GREB1 (NM_014668) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GREB1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | <p>>OriGene sequence for NM_014668 edited</p> <pre> CCCATCCTTCTCAGCTGTTGAAAGTGAGACAGGTTGAGGACGCAGTCTGAGAGTGTG CTTTTTCAAGTCTGTTTTCTCAAACCTTGGACTCACCAGAATAGCTGCAGCTGAGGAC AGCCACCTTTCTCGTCTCTGCTGAGCGAAGGCTACACGGCCCTTCTCCTTGCAGCTG TTTCACCTTCTACCTTGGTGGAGCCAGGCTTTTGCACCGAATCTGAGATGCCATTTTAA ACAGAAGACTCCATCCTCTTGAAGATGGGAAATCTTACGCTGGACAGCTGAAGACGACA CGCTTTGAAGAGGTCTTGACAATTCCATCGAGGCATCCCTGCGGTCCAACAACCTGGTG CCCAGGCCCATCTTTCCAGCTGTACCTGGAAGCTGAGCAGCAGCTTCCCGCTTAGAA GGTGGTAGCCGAGTGGACAATGAGGAAGAGGAAGAAGAGGGAGAAGGAGGGCTGGAAACA AATGGCCCCCAACCCCTTTCCAGCTGCACCCTCTGCCTGAAGGATGCTGTACCACAGAC GGTTTTTCCAGGCCGGGAAGGACCTGCGCCTTGTCTCCATTTCCAACGAGCCCATGGAT GTCCCTGCGGGCTTTCTCCTCGTGGGGTCAAGTCCCCAGCCTGCCGGACCATCTCCTG GTGTGCGCGTTGACAAGAGTTCTTGCCAGATGACAATGGCCACAATGCTCTTCTTGGT TTCTCTGGGAATTGTGTTGGCTGTGAAAGAAAGGCTTCTGTTACTTCACGGAATTCTCC AATCATATAAATCTGAAACTGACCACTCAACCAAGAAGCAGAAACACTTGAAGTATTAC CTGGTCCGTAATGCACAAGGGACTCTAACCAAGGACCTTAATCTGTTGGAAAGGCTCA GAGTTTAGAAGCCGGCAGATCCCCGCCAGTACTGTTCCAGTTCCTCTTCCCAGCCCTG GAGAGCACGGCTGCCTTCCCCAGCGAGCCGTTCTGGGACGAACCCAGCATCTGATG GGAGCTCAGCAGGACGACCAGCTTCTGATCACCCCTCACTAAACGCAGCAATGGGTCCG GCTGTTTTCAACGCAAAGATTCCCCAAGTGCCAACAACCTGGCAAAGAATAACCTGTTG GCCCTGCCGCGACCATCGGCTTTAGGTATCTTGTCAAACCTCCGGGCCCCCAAAAACGC CACAAAGGGTGGTCTCCAGAATCTCCATCAGCTCCAGATGGTGGCTGCCCTCAAGGTGGT GGGAACAGAGCTAAGTATGAGAGCGCAGGCATGCTCTGCGTGCCGAGGTTGGCTTGGTG GGACCAGTTCAGTACCTTTCCAGTGGTGGCCTCTGGAGAACCAGTGTCTGTTCCCTGAC AACTTGCTGAAAATATGCAAGGCCAAGCCAGTGATATTTAAAGGCCATGGGAACCTCCCT TACCTCTGTGGAACTGAATGACGTCGTGGTCAGCCCCCTCTTGTACACGTGCTACCAG AATTCAGTCTGTCTCACGGGCATACGAGCAGTACGGCGCCTCTGCCATCCAGCCATC TCCGAGGAGATGCAGCTCCTGCTTACCGTCTACTACCTGGTCCAGCTGGCCGCGGACCA GTGCCCTTGATGGAGACCTGGAGCAGATCTTCTGCGCTCTTGGCGGAGTCGCACCTG </pre> |



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014668 unedited
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 TTGTTTTCTCAAACCTTTGGACTCACCAGAATAGCTGCAGCTGAGGACAGCCACCTTTCT
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 GAAACTGACCACTCAACCAAGAAGCAGAAACACTTGAAGTATTACCTG

3' Read Nucleotide Sequence:

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>OriGene 3' genomic read for NM_014668 unedited
CGTCCCCAGCCGTGCCCGGAGGTGACCGATGGTTGCAAGAGAGCCCCGAGACCCGCCCG
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CCCCCCCCCCCCAAAAAGGGTCCCCTCCTCTGTAAGGCCAAACTTAGGTCAACCTCTGT
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GCCCAAAGCAATGGGCTGGCCAGAAACTTGGGGAGTCCTCAAGTTTTTCATTCTCACCCA
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GAGGGGCTGCACCTGACAGTCCCTGAGTTCCATTCCAATCAACCGCCACCGTTCAAGGC
CTCCTTTTAGCCCTCAACACGCATGAAGGGCTTT
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Restriction Sites: Please inquire
ACCN: NM_014668
Insert Size: 7000 bp

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| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| OTI Annotation: | <p>There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. These result in the substitution of 1 aa.</p> |
| Components: | <p>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).</p> |
| 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: | <p>NM_014668.2, NP_055483.2</p> |
| RefSeq Size: | <p>8482 bp</p> |
| RefSeq ORF: | <p>5850 bp</p> |
| Locus ID: | <p>9687</p> |
| UniProt ID: | <p>Q4ZG55</p> |
| Cytogenetics: | <p>2p25.1</p> |
| Gene Summary: | <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] Transcript Variant: This variant (a) encodes the longest isoform (a).</p> |