

## Product datasheet for **SC331802**

### GRB7 (NM\_001242442) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GRB7 (NM\_001242442) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GRB7  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331802 representing NM\_001242442.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGAAAGTGGAGGCCGGGACAAGGGCACACAACCTGGTTCGGTTAAGCCCTCTCTCGCTCAGACGCC
ATGGAGCTGGATCTGTCTCCACCTCATCTTAGCAGCTCTCCGGAAGACCTTTGCCAGCCCTGGGACC
CCTCTGGGACTCCCGGCCCTGATACCCCTCTGCCTGAGGAGGTAAGAGGTCCCAGCCTCTCCTC
ATCCCAACCACCGCAGGAACTTCGAGAGGAGGAGAGGCGTGCCACCTCCCTCCCCTCTATCCCAAC
CCCTTCCCTGAGCTCTGCAGTCTCCCTCACAGAGCCAAATCTCGGGGGCCCTCCAGTGAAGGGGG
CTGCTCCCCCGCATGCCAGCCGCCCATGTAGTAAAGGTGTACAGTGAAGGATGGGCTGCAGGTCT
GTGGAGGTGGCAGCAGGTGCCACAGCTCGCCACGTGTGTGAAATGCTGGTGCAGCGAGCTCACGCCCTT
AGCGACGAGACCTGGGGCTGGTGGAGTGCCACCCACCTAGCACTGGAGCGGGTTTGGAGGACCAC
GAGTCCGTGGTGAAGTGCAGGCTGCCTGGCCCGTGGGCGGAGATAGCCGCTTCTGTTCCGGAAAAAC
TTCGCCAAGTACGAACTGTTCAAGAGCTCCACACTCCCTGTTCCAGAAAAAATGGTCTCCAGCTGT
CTCGATGCACACTGGTATATCCCATGAAGACCTCATCCAGAATTCCTGAATGCTGGCAGTTTCTC
GAGATCCAGGGCTTTCTGCAGCTGCGGGTTT CAGGACGGAAGCTTTGAAACGCTTTTCTGCTTCTG
CGCGATCTGGCCTCTATTACTCCACCAAGGGCACCTTAAGGATCCGAGGCACCTGCAGTACGTGGCA
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TACCAGCAGGCACAGTCTCGCCATCTGCATCCATCTTGTGGGCTCCCCACCCTTGAGAAGTGCCTCA
GATAATACCCTGGTGGCCATGGACTTCTCTGGCCATGCTGGGCGTGTCAATTGAGAACCCCGGGAGGCT
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CCAGCTCCGGCACGAGCCTCAGTGCAGCCATCCACCGCACCAACTCTGGTCCACGGGCGCATTTCC
CGTGAGGAGAGCCAGCGGCTTATTGGACAGCAGGGCTTGGTAGACGGCTGTTCTGGTCCGGGAGAGT
CAGCGAAACCCAGGGCTTTGCTCTCTTTGTGCCACCTGCAGAAAGTGAAGCATTATCTCATCCTG
CCGAGCGAGGAGGGCCGCTGTACTTCAGCATGGATGATGGCCAGACCCGCTTCACTGACCTGCTG
CAGCTCGTGGAGTTCACCAGCTGAACCGGCATCCTGCCGTGCTTGTGCGCCATTGCTGCACGCGG
GTGGCCCTTGA
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001242442  
**Insert Size:** 1668 bp



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<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>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>	<u><a href="#">NM_001242442.1</a></u>
<b>RefSeq Size:</b>	2214 bp
<b>RefSeq ORF:</b>	1668 bp
<b>Locus ID:</b>	2886
<b>UniProt ID:</b>	<u><a href="#">Q14451</a></u>
<b>Cytogenetics:</b>	17q12
<b>Protein Families:</b>	Druggable Genome, Embryonic stem cells, Stem cell - Pluripotency
<b>MW:</b>	62.1 kDa
<b>Gene Summary:</b>	<p>The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with epidermal growth factor receptor (EGFR) and ephrin receptors. The protein plays a role in the integrin signaling pathway and cell migration by binding with focal adhesion kinase (FAK). Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (4) encodes the longest isoform (b).</p>