

Product datasheet for **SC319348**

GRB7 (NM_001030002) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRB7 (NM_001030002) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRB7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001030002.1
 CGTCTCCCTCCCTGAAGACGTGGTCCCAGCCGGGTGCTCTGACGCTCGGGGTTTCAGGACA
 AGGGCACACAACCTGGTTCGGTTAAGCCCCTCTCTCGCTCAGACGCCATGGAGCTGGATCT
 GTCTCCACCTCATCTTAGCAGCTCTCCGGAAGACCTTTGCCAGCCCCTGGGACCCCTCC
 TGGGACTCCCCGGCCCCCTGATACCCCTCTGCCTGAGGAGGTAAGAGGTCCCAGCCTCT
 CCTCATCCCAACCACCGGCAGGAACTTCGAGAGGAGGAGAGGCGTGCCACCTCCCTCCC
 CTCTATCCCCAACCCCTTCCCTGAGCTCTGCAGTCTCCCTCACAGAGCCCAATTCTCGG
 GGGCCCCCTCCAGTGAAGGGGGCTGCTCCCCCGGATGCCAGCCGCCCATGTAGTAAA
 GGTGTACAGTGAGGATGGGGCTGCAGGTCTGTGGAGGTGGCAGCAGGTGCCACAGCTCG
 CCACGTGTGTAAATGCTGGTGCAGCGAGCTCACGCCCTGAGCGACGAGACCTGGGGGCT
 GGTGGAGTGCCACCCCACTAGCACTGGAGCGGGGTTTGGAGGACCACGAGTCCGTGGT
 GGAAGTGCAGGCTGCCTGGCCCTGGGCGGAGATAGCCGTTCTGTTCCGGAAAAACTT
 CGCCAAGTACGAACTGTTCAAGAGCTCCCCACACTCCCTGTTCCAGAAAAATGGTCTC
 CAGCTGTCTCGATGCACACACTGGTATATCCCATGAAGACCTCATCCAGAACTTCTGAA
 TGCTGGCAGCTTCTGAGATCCAGGGCTTCTGCAGCTGCGGGGTTTCAGGACGGAAGCT
 TTGGAAACGCTTTTTCTGCTTCTTGCGCCGATCTGGCCTTATTACTCCACCAAGGGCAC
 CTCTAAGGATCCGAGGCACCTGCAGTACGTGGCAGATGTGAACGAGTCCAACGTGTACGT
 GGTGACGACGGGCGCAAGCTCTACGGGATGCCCACTGACTTCGGTTTCTGTGTCAAGCC
 CAACAAGCTTCGAAATGGCCACAAGGGGCTTCGGATCTTCTGCAGTGAAGATGAGCAGAG
 CCGCACCTGTGGCTGGCTGCCTTCCGCCTTTCAAGTACGGGGTGCAGCTGTACAAGAA
 TTACCAGCAGGCACAGTCTGCCATCTGCATCCATCTTGTGGGCTCCCCACCCCTTGAG
 AAGTGCCTCAGATAATACCCTGGTGGCCATGGACTTCTTGCCATGCTGGGCGTGCAT
 TGAGAACCCCGGGAGGCTCTGAGTGTGGCCCTGGAGGAGGCCAGGCCCTGGAGGAAGAA
 GACAAACCACCGCTCAGCCTGCCATGCCAGCCTCCGGCACGAGCCTCAGTGCAGCCAT
 CCACCGCACCAACTCTGGTTCCACGGGCGATTTCCCGTGAGGAGAGCCAGCGGTTAT
 TGGACAGCAGGGCTTGGTAGACGGCTGTTCTGGTCCGGGAGAGTACGCGGAACCCCA
 GGGCTTTGCTCTCTTTGTGCCACCTGCAGAAAGTGAAGCATTATCTCATCTGCCGAG
 CGAGGAGGAGGGCCGCTGACTTACAGCATGGATGATGGCCAGACCCGCTTCACTGACCT
 GCTGCAGCTCGTGGAGTCCACCAGCTGAACCGCGGCATCCTGCCGTGCTTGCTGCGCCA
 TTGCTGCACGCGGGTGGCCCTTGACCAGGCCGTGGACTGGCTCATGCCTCAGCCCGCT
 TCAGGCTGCCCGCGCCCTCCACCCATCCAGTGGACTCTGGGGCGGGCCACAGGGGAC
 GGGATGAGGAGCGGGAGGTTCCGCCACTCCAGTTTTCTCTCTGCTTCTTTGCCTCCCT
 CAGATAGAAAACAGCCCCCACTCCAGTCCACTCCTGACCCCTCTCTCAAGGGAAGGCT
 TGGGTGGCCCCCTCTCTTCTCCTAGCTCTGGAGGTGCTGCTCTAGGGCAGGGAATTATG
 GGAGAAGTGGGGGAGCCAGGCGGTTTACGCCCCACACTTTGTACAGACCGAGAGGCC
 AGTTGATCTGCTGTGTTTATACTAGTGACAATAAAGATTATTTTTTGATACAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001030002

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:	<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:	<u>NM_001030002.1</u> , <u>NP_001025173.1</u>
RefSeq Size:	2116 bp
RefSeq ORF:	1599 bp
Locus ID:	2886
UniProt ID:	<u>Q14451</u>
Cytogenetics:	17q12
Protein Families:	Druggable Genome, Embryonic stem cells, Stem cell - Pluripotency
Gene Summary:	<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 (2) differs in the 5' UTR and coding sequence compared to variant 4. The resulting isoform (a) is shorter at the N-terminus compared to isoform b. Variants 1, 2, and 3 all encode the same isoform (a).</p>