

Product datasheet for **SC320797**

GRB10 (NM_001001555) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRB10 (NM_001001555) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRB10
Synonyms:	Grb-10; GRB-IR; IRBP; MEG1; RSS
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_001001555.1
 GAGCCGCGCGCGCAGCTTTGGCGCTGACCACAATGCTGAGCAGGAAGCAGCAGCTGCAG
 GCCCAGTGACTGGTAGCTCAGTGACCAGCAGCCCAGTGACCGGCAGCCAGGTCCTCACCT
 GGGTCCTCTCAGTGAAGCCAGGGTGGCCGCCAGCAGACAGTGTACAGAGCCAACCTC
 TGACAGGACAAGGTGGAGCAGACACCTCGCAGTCAACAAGACCCGGCAGGACCAGGACTC
 CCCGCACAGTCTGACCGACTTGCGAATCACCAGGAGGATGATGTGGACCTGGAAGCCCTG
 GTGAACGATATGAATGCATCCCTGGAGAGCCTGTACTCGGCCTGCAGCATGCAGTCAGAC
 ACGGTGCCCTCCTGCAGAATGGCCAGCATGCCCGCAGCCAGCCCTCGGGCTTCAGGCCCT
 CCTCGGTCCATCCAGCCACAGGTGTCCCAAGGCAGAGGGTGCAGCGCTCCAGCCCTGTG
 CACATCCTCGCTGTCAGGCGCCTTCAGGAGGAAGACCAGCAGTTTAGAACCTCATCTCTG
 CCGGCCATCCCCAATCCTTTTCTGAACTCTGTGGCCCTGGGAGCCCCCTGTGCTCAGG
 CCGGGTCTTTACCTCCGAGCCAGGCCCGCCGAAAGCAGGATGTTAAAGTCTTTAGTGAA
 GATGGGACAAGCAAAGTGGTGGAGATTCTAGCAGACATGACAGCCAGAGACCTGTGCCAA
 TTGCTGGTTTACAAAAGTCACTGTGTGGATGACAACAGCTGGACACTAGTGGAGCACCAC
 CCGCACCTAGGATTAGAGAGGTGCTTGGAAAGCCATGAGCTGGTGGTCCAGGTGGAGAGT
 ACCATGGCCAGTGAGAGTAAATTTCTATTACAGGAAGAATTACGCAAAAATACGAGTTCTTT
 AAAAAATCCCATGAATTTCTTCCAGAACAGATGGTTACTTGGTGGCAGCAGTCAAATGGC
 AGTCAAACCCAGCTTTTGCAGAATTTTCTGAACTCCAGTAGTTGTCTGAAATTC AAGGG
 TTTTTGCATGTGAAAGAGCTGGGAAAGAAATCATGGAAAAAGCTGATGTGTGTTTGGCG
 AGATCTGGCCTTATTGCTCCACCAAGGAACTTCAAAGGAACCCAGACACCTGCAGCTG
 CTGGCCGACCTGGAGGACAGCAACATCTTCTCCCTGATCGCTGGCAGGAAGCAGTACAAC
 GCCCTACAGACCACGGGCTCTGCATAAAGCCAAACAAAGTCAGGAATGAAACTAAAGAG
 CTGAGTTGCTCTGTGCAGAGGACGAGCAAACCAGGACGTGCTGGATGACAGCGTTTCTG
 CTCTCAAGTATGGAATGCTCCTTTACCAGAATTACCGAATCCCTCAGCAGAGGAAGGCC
 TTGCTGTCCCGTTCGACGCCAGTGCCAGTGTCTCCGAGAATCCCTCGTGGCAATG
 GATTTTTCTGGGCAAACAGGACGCGTGATAGAGAATCCGGCGGAGGCCAGAGCGCAGCC
 CTGGAGGAGGGCCACGCCTGGAGGAAGCGAAGCACACGGATGAACATCCTAGGTAGCCAA
 AGTCCCTCCACCCTTACCCTAAGTACAGTGATTCACAGGACACAGCACTGGTTTCAC
 GGGAGGATCTCCAGGGAGGAATCCACAGGATCATTAAACAGCAAGGGCTCGTGGATGGG
 CTTTTTCTCCTCGTGACAGCCAGAGTAATCCAAAGGCATTTGTA CTCACTGTGTCAT
 CACCAGAAAATTA AAAATTTCCAGATCTTACCTTGCGAGGACGACGGGCAGACGTTCTTC
 AGCCTAGATGACGGGAACACAAATTTCTGACCTGATCCAGCTGGTTGACTTTTACCAG
 CTGAACAAAGGAGTCTCGCTTGCAAACCTCAAGCACCAGTGCATCCGAGTGGCCTTATGA
 CCGCAGATGTCCTCTCGGCTGAAGACTGGAGGAAGTGAACACTGGAGTGAAGAAGCGGTC
 TGTGCGTTGGTGAAGAACACACATCGATTCTGCACCTGGGACCCAGAGCGAGATGGGTT
 TGTTCGGTGCCAGCCGACCAAGATTGACTAGTTTGTGGACTTAAACGACGATTTGCTGC
 TGTGAACCCAGCAGGGTGCCTCCCTCTGCGTCGGCCAAATGGGGAGGGCATGGAAGAT
 CCAGCGGAAAGTTGAAAATAAACTGGAATGATCATCTTGGCTTGGGCCGCTTAGGAACAA
 GAACCGGAGAGAAGTGATTGAAAATGAACTCTTGCCTGGAATAATCTTGACAATTA AAA
 CTGATATGTTTTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001001555

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:	NM_001001555.1 , NP_001001555.1
RefSeq Size:	5043 bp
RefSeq ORF:	1611 bp
Locus ID:	2887
UniProt ID:	Q13322
Cytogenetics:	7p12.1
Protein Families:	Druggable Genome
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 insulin receptors and insulin-like growth-factor receptors. Overexpression of some isoforms of the encoded protein inhibits tyrosine kinase activity and results in growth suppression. This gene is imprinted in a highly isoform- and tissue-specific manner, with expression observed from the paternal allele in the brain, and from the maternal allele in the placental trophoblasts. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and the 5' coding region, compared to variant 1. The resulting isoform (c) has a shorter N-terminus when compared to isoform a. Isoform c is encoded by transcript variants 3 and 4.</p>