

## Product datasheet for **SC110189**

### **GMEB1 (NM\_006582) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GMEB1 (NM_006582) Human Untagged Clone
Tag:	Tag Free
Symbol:	GMEB1
Synonyms:	P96PIF; PIF96
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC110189 sequence for NM\_006582 edited (data generated by NextGen Sequencing)

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ATGGCTAATGCAGAAGTGAGTGTCCCAGTGGGGGATGTGGTTGTGGTACCTACTGAAGGA
AATGAAGGGGAGAATCCTGAAGACACTAAAACCAAGTGATTTTGCAGTTACAGCCTGTG
CAACAAGTTTGTATCGATGGACACTTTTACAACAGGATTTATGAAGCTGGGTCGGAG
AACAAACACGGCAGTTGTAGCAGTAGAACTCACACGATACACAAAATTGAAGAAGGGATT
GATACAGGCACTATAGAAGCAAATGAGGATATGGAAATTGCTTACCCATAACTTGTGGG
GAGAGCAAAGCCATCCTCCTCTGGAAGAAGTTTGTATGTCCAGGAATAAACGTGAAGTGT
GTCAAGTTCAATGATCAGTTGATCAGCCCAAGCACTTTGTTTCATCTGGCTGGCAAGTCC
ACTCTGAAGGACTGGAAGAGAGCTATTCGTCTGGGTGGGATCATGCTCAGGAAAATGATG
GACTCCGGACAGATTGATTTTTACCAACATGACAAAGTTTGTCCAATACCTGCAGAAGC
ACCAAATTTGATCTTCTGATCAGCAGTGAAGAGCTCCAGTGCCAGGACAGCAGACAAGT
GTGGTGCAGACACCCACTTCGGCTGATGGTAGCATCACGCAGATTGCCATCTCAGAAGAG
AGCATGGAAGAGGCAGGGCTGGAATGGAAGTCAAGTCTCACCGCTGCTGCACCATGGCC
ACGGAGGAGGGTGTAAAGAAAGACTCAGAGGAAATTTAGAGGACACTTTGATGTTCTGG
AAAGGAATAGCTGATGTAGGGCTGATGGAAGAGTTGTCTGCAATATACAGAAGGAAATA
GAGGAGCTACTCAGGGGAGTTCAGCAGCGGCTCATCCAGGCTCCCTTCCAAGTCACAGAT
GCTGCTGTTCTCAACAATGTAGCACACACATTTGGCCTAATGGACACAGTCAAGAAGTT
TTAGACAACAGAAGGAACCAAGTAGAGCAGGGAGAAGAACAGTTTCTCTATACTCTGACA
GACTTGAACGCCAGTTGGAGGAGCAGAAGAAGCAAGGCCAGGATCACAGGCTGAAATCT
CAGACAGTTCAAATGTGGTACTGATGCCTGTGAGCACTCCTAAGCCTCCAAAAGGCC
CGGCTCCAGCGGCCAGCCTCCACCACTGTCTTGAGCCCTTCTCCTCCTGTCCAGCAGCCT
CAGTTCACAGTCATCTACCCATCACCATCACCACAGTGGGTGAGTCAATTTCCATGGGC
AATATTCCAGTGGCCACCCTCAGCCAGGGCTCCAGTCTGTGACTGTCCACACACTGCCT
TCTGGCCCTCAGCTCTTCCGCTATGCCACAGTGGTCTCCTCTGCCAAGAGCAGCTACCA
GACACAGTGACCATCCACCCTTCATCTAGCTTGGCGTGTGAGCTCTACTGCCATGCAG
GATGGGAGTACACTGGGCAACATGACCACCATGGTTAGCCCTGTGGAATTGGTGGCCATG
GAGTCCGGCCTAACCTCGGCAATTCAGGCTGTTGAAAGCACCTCAGAGGATGGGCAGACC
ATCATTGAGATTGATCCAGCCCCGACCCAGAAGCTGAAGATACTGAGGGNNNNNNNNNN
ATCTTGGAGACAGAGCTGAGGACTGAGGAGAAAGTTGTGGCTGAGATGGAAGAACCAN
NNNNNNNTCACAATGTGGAGATTGTGGTCTTAGAGATTAA

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Clone variation with respect to NM\_006582.3  
1611 c=>n;1612 a=>n;1613 a=>n;1614 a=>n;1615 g=>n;1616 c=>n;1617 a=>n;1618 g=>n;1619 t=>n;1620 c=>n;1680 g=>n;1681 c=>n;1682 a=>n;1683 t=>n;1684 c=>n;1685 a=>n;1686 a=>n;1687 g=>n;1688 t=>n

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006582 unedited  AGGATTTTGTAAACGACTCACTATTAGGGCGGCCGATTTCGGCACGAGCGCCCGCCC  CCCCGACGGAGACGCAGTCCCAGCTATCTGACTTTCATGTGAAAGATGGCTAATGCAGAAGT  GAGTGTCCAGTGGGGATGTGGTTGTGGTACCTACTGAAGGAAATGAAGGGGAGAATCC  TGAAGACTAAAACCAAGTGATTTTGCAGTTACAGCCTGTGCAACAAGTTTGTAT  CGATGGACTTTTACAACAGGATTTATGAAGCTGGGTCGGAGAACAACCGCAGTTGT  AGCAGTAGAACTCACACGATACACAAAATTGAAGAAGGATTGATACAGGCATATAGA  AGCAAATGAGGATATGGAAATTGCTTACCCATAACTTGTGGGGAGAGCAAAGCCATCCT  CCTCTGGAAGAAGTTTGTATGTCCAGGAATAAAGCTGAAGTGTGTCAAGTTCAATGATCA  GTTGATCAGCCCCAAGCACTTTGTTTCATCTGGCTGGCAAGTCCACTCTGAAGGACTGGAA  GAGAGCTATTCGCTGGGTGGGATCATGCTCAGGAAAATGATGGACTCCGGACAGATTGA  TTTTTACCAACATGACAAAGTTTGTCCAATACCTGCAGAAGCACCAAATTTGATCTTCT  GATCAGCAGTGAAGAGCTCCAGTGCCAGGACAGCAGACAAGTGTGGTGCAGACACCCAC  TTCGGCTGATGGTAGCATCACGCAGATTGCCATCTCAGAAGAGAGCATGGAAGAGGCAGG  NNECTGAATGGAACCTCANCTCTCACCCTGCTGTACCATGGCCACGNNAGNAGGNTGTAA  NGAAAGACTCAGAGGNAATTNACAGAGACTTTGATGNTCTGAAAGGAATANCTGATGT  AGGNTGATGGAANAAGNNTGNCTGCATATACAGAAGAANTAGAGNAGCTCTCCAGGGGA  GTTACAGCGGCTCATCCAGCTCCTTTCAGTCCAGATGCTGCTGTCTCACATGT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006582 unedited  NGGGGCANCCCCCTTTTTNNNANGNNTCTTGNACCCGGCCGATACTANGATCAGTT  TTTTTTTTTTTTTTTTAAAAAGGGTCTATGTGGAATGAGTGGGACAATGATAAAAATA  AACAAATAATTAATCCAAATCAAACATAACTCCTGGCCCTGAGATCCCCAGTTAAT  CCTCTAAGACCACAATCTCCACATTGTGAACCTGATGCTGGTGTCTTCCATCTCAGCCA  CACTTTCTCCTCAGTCTCAGCTCTGTCTCCAAGATGACTGCTTTGCCCTCAGTATCTT  CAGCTTCTGGGTCCGGGCTGGATCAATCTCAATGATGGTCTGCCCATCTCTGAGGTGC  TTTCAACAGCCTGAATTGCCGAGGTTAGGCCGGACTCCATGGCCACCAATTCCACAGGGC  TAACCATGGTGGTCATGTTGCCAGTGTACTCCCATCTGCATGGCAGTAGAGCTCAGCA  GCGCCAAGCTAGATGAAGGGTGGATGGTCACTGTGTCTGGTGGTGTCTTTGGCAGAGG  AGACCAGTGTGGCATAGCGGAAGAGCTGAGGGCCAGAAGGCAGTGTGTGGACAGTACACG  GACTGGAGCCCTGGCTGANGGTGGCCACTGGAATATTGCCCATGGAATAATGACTGACCCA  CTGGGGTGTGGTGTGGTGAATGACTGTGAACTGANGCTGCTGNACAGGANGAGAAA  GGCTCAAGACAATGTGGANGCTGGCCCGCTGACCCGGGCCTTTTTNGAGGCTAGAGTGC  TCACAGCATCANTCCACATTTGACTGTCTGAGATTTACCTGGGACCCTGCCCTGCTTT  TTTGGCTCTTCAACTGGCGTTCCAGTTTGTCAAAGTTAGAGAAGTGTCTCCCCCTGCCT  AACTTGGTTCCTTCGTTGGCAAACCTCTTACTGGCCATAAGCCCAATGTTGTGCTAC  ATTGTGAGAACAACATTTGGAT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006582
<b>Insert Size:</b>	2400 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>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_006582.2</a> , <a href="#">NP_006573.2</a>
<b>RefSeq Size:</b>	1960 bp
<b>RefSeq ORF:</b>	1722 bp
<b>Locus ID:</b>	10691
<b>UniProt ID:</b>	<a href="#">Q9Y692</a>
<b>Cytogenetics:</b>	1p35.3
<b>Domains:</b>	SAND
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of KDWK gene family which associates with GMEB2 protein. The GMEB1-GMEB2 complex is essential for parvovirus DNA replication. Studies in rat for a similar gene suggest that this gene's role is to modulate the transactivation of the glucocorticoid receptor when it is bound to glucocorticoid response elements. Three alternative spliced transcript variants encoding different isoforms exist. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>