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Product datasheet for SC110190

GMEB1 (NM_024482) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GMEB1 (NM_024482) Human Untagged Clone
Tag:	Tag Free
Symbol:	GMEB1
Synonyms:	P96PIF; PIF96
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_024482, the custom clone sequence may differ by one or more nucleotides

ATGGCTAATGCAGAAGTGAGTGTCCCAGTGGGGGATGTGGTTGTGGTACCTACTGAAGGAAATGAAGGGG
AGAATCCTGAAGACACTAAAACCCAAGTGATTTTGCAGTTACAGCCTGTGCAACAAGGGATTTATGAAGC
TGGGTCGGAGAACAACACGGCAGTTGTAGCAGTAGAAACTCACACGATACACAAAATTGAAGAAGGGATT
GATACAGGCACTATAGAAGCAAATGAGGATATGGAAATTGCTTACCCCATAACTTGTGGGGAGAGCAAAG
CCATCCTCCTCTGGAAGAAGTTTGTATGTCCAGGAATAAACGTGAAGTGTGTCAAGTTCAATGATCAGTT
GATCAGCCCCAAGCACTTTGTTCATCTGGCTGGCAAGTCCACTCTGAAGGACTGGAAGAGAGCTATTCGT
CTGGGTGGGATCATGCTCAGGAAAATGATGGACTCCGGACAGATTGATTTTTACCAACATGACAAAGTTT
GCTCCAATACCTGCAGAAGCACCAAATTTGATCTTCTGATCAGCAGTGCAAGAGCTCCAGTGCCAGGACA
GCAGACAAGTGTGGTGCAGACACCCACTTCGGCTGATGGTAGCATCACGCAGATTGCCATCTCAGAAGAG
AGCATGGAAGAGGCAGGGCTGGAATGGAACTCAGCTCTCACCGCTGCTGTCACCATGGCCACGGAGGAGG
GTGTAAAGAAAGACTCAGAGGAAATTTCAGAGGACACTTTGATGTTCTGGAAAGGAATAGCTGATGTAGG
GCTGATGGAAGAGGTTGTCTGCAATATACAGAAGGAAATAGAGGAGCTACTCAGGGGAGTTCAGCAGCGG
CTCATCCAGGCTCCCTTCCAAGTCACAGATGCTGCTGTTCTCAACAATGTAGCACACACATTTGGCCTAA
TGGACACAGTCAAGAAGGTTTTAGACAACAGAAGGAACCAAGTAGAGCAGGGAGAAGAACAGTTTCTCTA
TACTCTGACAGACTTGGAACGCCAGTTGGAGGAGCAGAAGAAGCAAGGCCAGGATCACAGGCTGAAATCT
CAGACAGTTCAAAATGTGGTACTGATGCCTGTGAGCACTCCTAAGCCTCCAAAAAGGCCCCGGCTCCAGC
GGCCAGCCTCCACCACTGTCTTGAGCCCTTCTCCTCCTGTCCAGCAGCCTCAGTTCACAGTCATCTCACC
CATCACCATCACCCCAGTGGGTCAGTCATTTTCCATGGGCAATATTCCAGTGGCCACCCTCAGCCAGGGC
TCCAGTCCTGTGACTGTCCACACACTGCCTTCTGGCCCTCAGCTCTTCCGCTATGCCACAGTGGTCTCCT
CTGCCAAGAGCAGCTCACCAGACACAGTGACCATCCACCCTTCATCTAGCTTGGCGCTGCTGAGCTCTAC
TGCCATGCAGGATGGGAGTACACTGGGCAACATGACCACCATGGTTAGCCCTGTGGAATTGGTGGCCATG
GAGTCCGGCCTAACCTCGGCAATTCAGGCTGTTGAAAGCACCTCAGAGGATGGGCAGACCATCATTGAGA
TTGATCCAGCCCCGGACCCAGAAGCTGAAGATACTGAGGGCAAAGCAGTCATCTTGGAGACAGAGCTGAG
GACTGAGGAGAAAGTTGTGGCTGAGATGGAAGAACACCAGCATCAAGTTCACAATGTGGAGATTGTGGTC
TTAGAGGATTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024482 unedited
GTTCAAATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCAGAAGTGAG
TGTCCCAGTGGGGGATGTGGTTGTGGTACCTACTGAAGGAAATGAAGGGGAGAATCCTGA
AGACACTAAAACCCAAGTGATTTTGCAGTTACAGCCTGTGCAACAAGGTTTGTTTATCGA
TGGACACTTTTACAACAGGATTTATGAAGCTGGGTCGGAGAACAACACGGCAGTTGTAGC
AGTAGAAACTCACACGATACACAAAATTGAAGAAGGGATTGATACAGGCACTATAGAAGC
AAATGAGGATATGGAAATTGCTTACCCCATAACTTGTGGGGAGAGCAAAGCCATCCTCCT
CTGGAAGAAGTTTGTATGTCCAGGAATAAACGTGAAGTGTGTCAAGTTCAATGATCAGTT
GATCAGCCCCAAGCACTTTGTTCATCTGGCTGGCAAGTCCACTCTGAAGGACTGGAAGAG
AGCTATTCGTCTGGGTGGGATCATGCTCAGGAAAATGATGGACTCCGGACAGATTGATTT
TTACCAACATGACAAAGTTTGCTCCAATACCTGCAGAAGCACCAAATTTGATCTTCTGAT
CAGCAGTGCAAGAGCTCCAGTGCCAGGACAGCAGACAAGTGTGGTGCAGACACCCACTTC
GGCTGATGGTAGCATCACGCAGATTGCCATCTCAGAAGAGAGCATGGAAGAAGCAGGGCT
GGAATGGAACTCAGCTCTCACCGCTGCTGTCACCATGGCCACGGAGGAAGGGTGTAAAGA
AAGACTCAGAGGAAATTTCAGAGGACACTTTGATGTTCTGGAAAGGAATANCTGATGTAN
GGCTGATGGAAGAAGNTGTCTGCATATACAGAAGGAAAATAGAGAGCTACTCAGGGGAGT
TCAGCAGCGGCTCATCCCAGCTCCCTTCC

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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024482 unedited
ATCTAGAGTCGAGNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCAGGAAGGCAGCTTG
TTTTGTCCATTTTTCAATGAGGGAGTGGGAAGAACCCAACATTTTCAGTTACAACAATAA
AATTTTGTTTTTTTTTTTTTTAAAAAAGGGTCCTATGTGGAAATGAGTGGGACAATGATAA
AAATAAACAAATAATTAAAATTCCAAATCAAAACATAACTCCTGGCCCTGAGATCCCCAG
TTAATCCTCTAAGACCACAATCTCCACATTGTGAACTTGATGCTGGGGTTCTTCCATCTC
AGCCACAACTTTCTCCTCAGTCCTCAGCTCTGTCTCCAAGATGACTGCTTTGCCCTCAGT
ATCTTCAGTTTCTGGGACCGGGGCTGGATCAATCTCAATGATGGTCTGCCCATCCTTTGA
GGTGCTTTCAACAGCCTGAATTGCCGAGGTTAGGCCGGACTCCATGGCCACCAATTCCAC
AGGGCTAACCATGGTGGTCATGTTGCCCAACGTACCTCCATCCTGCATGGCAGTAAAGCT
CACCACCGCCAAACTAGATGAAGGGTGCATGGCCACTGTGTTTGGAGAGCTGTTCTTTGG
AAAAGAGACCACTGTGGCATAACGCAAAAACTGAGGCCCCAAAGGACATGTGTGGAACAG
TCCAGAGACTGGACCCCTGGCTGAGGTTGCCCACTGAAAAATTGCCCATGAAAAATGACT
GCCCCCATTGGGGCGATGGGGATGGCGTGAAAGAACGTCAACCGGAGCTGCTGTTAAAGA
AGAAAACAGCCTAATAAAGTGGCGGAAGCTTGCCCCTGTGAACCGGCCCCTTTTGGAGGT
CTAGAGCGCCACAGGCTCCACCCCAATTTTGAACGGGCGGAGAATTCACCCGGGACCCGG
CCCTGCTCTTTTGTTCCCCCATGGGGGTCCAACGTGTGAAATTAAAAAAAAGGGCTTTCC
CCCGGCTTATTTGGTCTCTTTGTTGGCTAAAACTCTTGAATCGGCCCTTAGCGCAAAAGG
G

Restriction Sites: NotI-NotI

ACCN: NM_024482

Insert Size: 2000 bp

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).

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:
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_024482.1, NP_077808.1

RefSeq Size: 1944 bp

RefSeq ORF: 1692 bp

Locus ID: 10691

UniProt ID: Q9Y692

Cytogenetics: 1p35.3

Domains: SAND

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Protein Families: Druggable Genome, Transcription Factors

Gene Summary: 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]
Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Variants 2 and 3 both encode the same isoform (2).

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