

## Product datasheet for **SC120678**

### **p66 beta (GATAD2B) (NM\_020699) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	p66 beta (GATAD2B) (NM_020699) Human Untagged Clone
Tag:	Tag Free
Symbol:	p66 beta
Synonyms:	GANDS; MRD18; P66beta; p68
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:** >NCBI ORF sequence for NM\_020699, the custom clone sequence may differ by one or more nucleotides

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ATGGATAGAATGACAGAAGATGCTCTTCGCTTGAATCTGTTGAAGCGGAGCTTGGACCCAGCAGATGAGC
GAGATGATGTCTGGCAAAGCGACTCAAATGGAGGGGCATGAGGCCATGGAACGCTCTGAAAATGTTGGC
ATTGCTCAAAGGAAGGATTTGGCAAATCTTGAGGTGCCACATGAGTTACCCACCAAACAGGATGGCAGT
GGTGTCAAAGGGCTATGAAGAAAACTTAACGGGAATCTCAGGCCTCATGGAGACAACAGGACTGCTGGAA
GGCCAGGCAAAGAAAAATCAATGATGAGCCTGTGGATATGAGTCTAGACGGAGTGAGCCAGAGCGAGG
AAGGCTAACTCCCTCACCAGACATCATTGTTTTGTCTGACAATGAGGCTTCCAGTCCCCGTTCCAGTTCC
AGAATGGAAGAAAGACTCAAAGCAGCCAACTTAGAGATGTTTAAGGGGAAAGGCATTGAGGAGCGGCAGC
AGCTTATCAAGCAGCTGAGGGATGAGCTACGATTGGAAGAAGCCCGACTGGTCTGTAAAGAACTGAG
ACAGAGTCAGCTACAGAAAGAGAATGTGGTCCAGAAGACTCCAGTTGTACAGAATGCAGCATCTATTGTT
CAGCCATCTCCTGCCATGTGGGACAGCAGGGCCTATCTAAGCTTCCCTCTCGGCCTGGGCCCCAAGGGG
TTGAACCTCAAATTTGAGAACATTACAGGGTCACAGTGTCTCCGTTCCAGTACCAATACCACCCTTCC
ACACATGTTGATGTCTAACGTGTTATTGCACCAAACCCAGCCAGCTACAGGGTCAGCGGGGCCCGCT
AAGCCTGGCCTTGTACGCACCACAACCCAACATGAATCCCGCCATCAATTATCAACCCGAGTCAAGTT
CTTCTGTTCCATGTCAGCGTACAACATCTCTGCCATCTATATGAACCTTGCTTCTCATATCCAGCCAGG
GACGGTGAACAGAGTGTCTCGCCACTTCTAGCCCCAGCGCCATGACTGATGCTGCCAACTCACAGGCT
GCAGCCAAATGGCTCTTCGCAAACAGCTGGAAGAAAGACTCTGGAGATCCCACCCCTAAACCTCCTG
CTCCCTTACTTTCATTTCTTGCCTAGTGCAGCCAATAGCGAGTTCATCTACATGGTAGGCTTGAAGAAGT
CGTACAGAGTGTCTTACAGCCAAGGCAAAAGCTGTGCCTCACTTCTGCGGGTTGAACCCCTTTGATGT
GCCAGTGGCCACAGATTTTACCCTCACTGGAAGCAAGAAAAGAAATGGTAAGATTCTATGTGAGCAGT
GTATGACCTCCAACAGAAAAAGCTCTAAAAGCTGAACACACCAACCGGCTGAAAAATGCATTTGTGAA
AGCCCTACAGCAGGAACAGGAAATTGAACAGCGATTACAGCAGCAGGCAGCCCTCTCCCCACTACGGCT
CCAGCTGTGTCCAGTGTGAGTAAACAAGAGACCATCATGAGACATCATACGCTTCGGCAGGCTCCACAGC
CCCAGAGCAGCCTCCAGCGTGGCATAACCCATCTGCCCGCTCCATGCTTCAAACCTTTCACAGGCACC
CCAGTTGTCTGTGCCAGGTGGCCTCCTTGGTATGCCAGGTGTCAACATTGCATACTTGAATACTGGCATC
GGAGGACACAAAGGCCCCAGTTTGGCAGACCGACAGCGTGAATACCTTTTAGACATGATCCCTCCCCGT
CTATATCGCAGTCCATCAGTGGACAGAATAA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_020699 unedited

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TGCAACAATTTGTAATACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGTCTGG
ATCCCCGTGCGCTCGCCTTTCCTTTTTTCGACGCCTCCGCCCGCCGCTGAGGAGGCGAG
CTAGCCGGGAGTTACACCGCCACCGCCAGGAAAACATTTTTTCAGCGTTTGTAAATGGTTC
TAATACTGATCTGATTGCTGAGTCCAAGGATATACAGTCATGCCTCAGTAATGGTAGTC
CCATAAGGATGGATAGAATGACAGAAGATGCTCTTCGCTTGAATCTGTTGAAGCGGAGCT
TGGACCCAGCAGATGAGCGAGATGATGTCTGGCAAAGCGACTCAAATGGAGGGGCATG
AGGCCATGGAACGCTCTGAAAATGTTGGCATTGCTCAAAGGAAGGATTTGGCAAATCTTG
AGGTGCCACATGAGTTACCCACCAAACAGGATGGCAGTGGTGTCAAGGGCTATGAAGAAA
AACTTAACGGGAATCTCAGGCCTCATGGAGACAACAGGACTGCTGGAAGGCCAGGCAAAG
AAAACATCAATGATGAGCCTGTGGATATGAGTGTAGACGGAGTGAGCCAGAGCGAGGAA
GGCTAACTCCCTCACCAGACATCATTGTTTTGTCTGACAATGAGGCTTCCAGTCCCCGTT
CCAGTTCAGAAATGGAAGAAAGACTCAAAGCAGCCAACTTAGAGATGTTTAAGGGGAAAG
GCATTGANGAGCGCAGCAGCTTATCAAGCAGCTGNAGGATGAGCTACGATTGGAAGAAG
CCCGACTGGTCTGTAAAAGAACTGAGACAGAGTCAGCTACAGAAAGAGAATGTGTCCA
GAAGATNCAGNTGTACAGATGCAGCATCTATTGTGAGCCATCTCCTGCCATGTGGGNAC
AGCAGGCCTATCTAAGCTTCCCCCTCGNCTGNGGCCNNANGNNGNNTGACCTCAAATTN
GAGAACATACAGGGN
    
```

**Restriction Sites:**

NotI-NotI

<b>ACCN:</b>	NM_020699
<b>Insert Size:</b>	4600 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_020699.1</a> , <a href="#">NP_065750.1</a>
<b>RefSeq Size:</b>	5348 bp
<b>RefSeq ORF:</b>	1782 bp
<b>Locus ID:</b>	57459
<b>UniProt ID:</b>	<a href="#">Q8WXI9</a>
<b>Cytogenetics:</b>	1q21.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This gene encodes a zinc finger protein transcriptional repressor. The encoded protein is part of the methyl-CpG-binding protein-1 complex, which represses gene expression by deacetylating methylated nucleosomes. Mutations in this gene are linked to intellectual disability and dysmorphic features associated with cognitive disability. [provided by RefSeq, Jun 2016]