

Product datasheet for **SC100631**

GAPT (NM_152687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAPT (NM_152687) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAPT
Synonyms:	C5orf29
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100631 sequence for NM_152687 edited (data generated by NextGen Sequencing)

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ATGTCGAAAAGCTGTGGAATAATTTAGCGGCCATTTCTGTAGGAATTTGCTTCTTTTA  
CTCTTAGTGGTTTTGTGAATTGGGTGTGTTTGGCACTGGAAACACCGTGTGCCACACGA  
TTTACCTTACCGAGGTTTTTACAAAGGAGAAGCAGCAGGAGAAAAGTCTGTACTAAAACA  
TTCTTGGGCCCCCGCATCATTGGCTTAAGGCATGAAATCTCAGTTGAAACCCAAGACCAC  
AAATCTGCTGTCAGGGGAAATAACACACACGACAATAATGAAAATGTGGAAGCAGGTCCT  
CCCAAAGCTAAAGGAAAAACCGATAAGGAACTATATGAAAACACAGGGCAGTCTAATTTT  
GAGGAGCATATCTATGGAATGAGACATCTTCTGACTATTATAACTTCCAGAAGCCTCGT  
CCTTCTGAAGTTCCTCAAGATGAAGATATACATTCTTCCAGATTCATATTAG
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Clone variation with respect to NM_152687.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152687 unedited
 GTCACCATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCTTGACACAC
 CAATCTTGAGGTGTTGTGCCATTCTCTGGGAACATACAGATGAAATGACCTGAACCCTGC
 CCACCATTTAACCAACAGGTTTCTGGATGGCAGATCATTCAACCTTCTTTTTCTTGAGTT
 TTCTACTCTGCTGCATCTTCCACTCATTCTGCTTCATTTTGTGATTGTTAACAGAAA
 AGGAAGTGAATGGAATAAAATCCCCAATACAGTACAATTATACATTAATGGCTGTAAT
 GTGAAGAGCATCACACACGAAGAGAGCCATCTCCAGAAAATAAGTTTATACACTCTCTCC
 TCTAATTGCATCAGGACTTTACCAGATAATGTTCTTCCAGATCTGAAAAGGAAAATGCCT
 AAAAGAGCTTCCAACTCATTTTTGAATAATACTAGGCTACAAAAGAAATCACTGTGAAT
 TCATTAAGGGTAACACCAATCACTAAACAGCACTGTTTGTACAGAAATGTCGAAAAGCT
 GTGGAAAATAATAGCGGCCATTCTGTAGGAATTCGCTTCTTTACTCTTAGTGGTTT
 GTGGAATTGGGTGTTTGGCACTGGAAACACCGTGTGCCACACGATTACCTTACCGA
 GGTTTTTACAAAGGAGAAGCAGCAGGAGAAAAGTCTGTACTAAAACATTCTGGGCCCCC
 GCATCATTGGCTTAAGGCATGAAATCTTCAAGTAAACCCCAAGACCCCAATCTGCTGTCAG
 GGGAAAATAACACCCACGACAATATGGAATGTGGAAGCAGGTCCTTCCCAAGCTAAAGG
 AAAAACCGTTAGGACTCTTTGAAAACACAGNCAGTCTAATTTGAGAGCATTTTATGG
 GAATGAGACACTNCTGACTTTATAAATTCCAAAACCTCGTTCTTCTGGAGTTNCTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152687 unedited
 GATCGGTTTTTTCTTT
 TTAGGGGGAATAACAAATGAATTTATTAATTTTTTTCTCAAACTACCCAGCAAAATG
 TACAATCAATCCCCTCAGTAAACATGAGGCATTTAGGGCCTTATGGGATGTTCTAGG
 CATTTGGTCTTTTCTTTTCATTTAGGGGGAATTTAAAACATTTTCATATGAAGCTAGG
 GAAAAAATGCTGGGGCAACATTCATATGTTTAAATGTCCAAAAATGAAAAGGCTCA
 AAGCTTATTTCAAAAAATAAAAAGGGAATGCCGTTTGGAGTGATTCAGGAAATGTGGG
 GAAAAACTTATTATCCGAACCCCGCTTGAGAAAAAGGCCAAAAAACAAAGCTTTGAAGG
 AAGGAAAAATTTGGCAGGGTTAAAAAGATTCTGCCGAAGGCCAAAAAATGGGAGATAGT
 TAAAAAGTCTCTGAAAAATGAATTGGACCCCTTGTGGAAAACCTAAATTTTGGAGT
 TCAAAAATATGGGGATTATGTCTTTTTCAAAGAGGGGGCTTAAAACCTTTAAGTAAAA
 AAAAAAGGTGGGCGGGTAGAAAAATTTTTGAAAAAAAACCTGGCGCCACCCCGGGGAAA
 TGGATGGGGGGGGGAGAAAACCTAACCCCGGGGGAACAGTTTTTTGGCCCTTGACAA
 TATTTTTTGGGCCCAAAAAATAAAATGGGGAAAAAAAAGGAAAGAAATACGCGGGTATT
 TTTAGAGGGGAAAAACCTTTCCCAATCCCGAATTTATCTGGGGCGGGGGGGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_152687

Insert Size:

2500 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:	<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_152687.1</u> , <u>NP_689900.1</u>
RefSeq Size:	2218 bp
RefSeq ORF:	474 bp
Locus ID:	202309
UniProt ID:	<u>Q8N292</u>
Cytogenetics:	5q11.2
Protein Families:	Transmembrane
Gene Summary:	<p>Negatively regulates B-cell proliferation following stimulation through the B-cell receptor. May play an important role in maintenance of marginal zone (MZ) B-cells (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) has three alternate splice sites in the 5' UTR and encodes the same protein, compared to variant 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>