

Product datasheet for **SC329024**

PRMT7 (NM_001184824) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT7 (NM_001184824) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT7
Synonyms:	SBIDDS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001184824, the custom clone sequence may differ by one or more nucleotides

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ATGAAGATCTTCTGCAGTCGGGCCAATCCGACCACGGGGTCTGTGGAGTGGCTGGAGGAG
GATGAACACTATGATTACCACCAGGAGATTGCAAGGTCATCTTATGCAGATATGTACAT
GACAAAGACAGAGTTTTCAAGCCTATGGCTGATGCTGCTGTGAAGATTGTGGAGAAAAAT
GGCTTTAGTGATAAGATTAAGGTTATCAACAAGCATTCCACCCGAGGTGACTGTAGGTCCA
GAGGGTGACATGCCATGCCGTGCCAACATCCTGGTCACAGAGTTGTTTGACACAGAGCTG
ATCGGGGAGGGGGCGCTGCCCTCCTATGAGCACGCACACAGGCATCTCGTGGAGGAAAAT
TGTGAGGCCGTGCCCCACAGAGCCACCGTCTATGCACAGCTGGTGGAGTCCGGGAGGATG
TGGTCGTGGAACAAGCTATTTCCATCCACGTGCAGACCAGCCTCGGAGAGCAGGTCATC
GTCCCTCCGTTGACGTGGAGAGCTGCCCTGGCGACCCCTCTGTCTGTGACATTCAGCTG
AACCAGGTGTACCAGCCGACTTACAGTCCTCAGCGATGTGCTGCCATGTTTCAGCATA
GACTTCAGCAAGCAAGTCAGTAGCTCAGCAGCCTGCCATAGCAGGCGTTTGAACCTCTG
ACATCTGGCCGAGCTCAGGTGGTTCTCTCGTGGTGGGACATTGAAATGGACCCTGAGGGG
AAGATCAAGTGCACCATGGCCCCCTTCTGGGCACACTCAGACCCAGAGGAGATGCAGTGG
CGGGACCACTGGATGCAGTGTGTACTTCTGCCACAAGAGGAGCCTGTGGTGCAGGGC
TCAGCGCTCTATCTGGTAGCCACCACGATGACTACTGCGTATGGTACAGCCTGCAGAGG
ACCAGCCCTGAAAAGAATGAGAGAGTCCGCCAGATGCGCCCCGTGTGACTGCCAGGCT
CACCTGCTCTGGAACCGGCTCGGTTTGGAGAGATCAATGACCAGGACAGAACTGATCGA
TACGTCCAGGCTCTGAGGACCGTGTGAAGCCAGACAGCGTGTGCCTGTGTGTCAGCGAT
GGCAGCCTGCTCTCCGTGCTGGCCATCACCTGGGGTGGAGCAGGTGTTTACAGTCGAG
AGTTTACAGCAGCTTCTCACAACTGTTGAGAAAAATCTTCAAGGCTAACCACTTGGAAAT
AAAATTAACATCATAGAGAAACGGCCGGAATTATTAACAAATGAGGACCTACAGGGCAGA
AAGGTCTCTCTCCTCCTGGGCGAGCCGTTCTTCACTACCAGCCTGCTGCCGTGGCACAAC
CTCTACTTCTGGTACGTGCGGACCCTGTGGACCAGCACCTGGGGCCAGGTGCCATGGTG
ATGCCCCAGGACGCTCGCTGCACGCTGTGGTGTGGAGTTCAGGGACCTGTGGCGGATC
CGGAGCCCTGTGGTACTGCGAAGGCTTCGACGTGCACATCATGGACGACATGATTAAG
CGTGCCCTGGACTTCAGGGAGAGCAGGGAAGCTGAGCCCCACCCGCTGTGGGAGTACCCA
TGCCGACGCTCTCCGAGCCCTGGCAGATCCTGACCTTTGACTTCCAGCAGCCGGTGCC
CTGCAGCCCTGTGTGCCGAGGGCACCGTGGAGCTCAGAAGGCCCGGGCAGAGCCAGCA
GCGGTGCTATGGATGGAGTACCACCTGACCCCGAGTGCACGCTCAGCACTGGCCTCCTG
GAGCCTGCAGACCCCGAGGGGGCTGCTGCTGGAACCCCACTGCAAGCAGGCCGTCTAC
TTCTTACGCCCTGCCAGATCCCAGAGCACTGCTGGGTGGCCACGGACTGTCAGCTAT
GCAGTGGAGTTTACCCCGACACAGGCGACATCATGGAGTTCAGGCATGCAGATACC
CCAGACTGA
    
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Restriction Sites: Please inquire

ACCN: NM_001184824

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_001184824.1 , NP_001171753.1
RefSeq Size:	2193 bp
RefSeq ORF:	1929 bp
Locus ID:	54496
UniProt ID:	Q9NVM4
Cytogenetics:	16q22.1
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a member of the protein arginine N-methyltransferase family of proteins. The encoded enzyme transfers single methyl groups to arginine residues to generate monomethylarginines on histone proteins as well as other protein substrates. This enzyme plays a role in a wide range of biological processes, including neuronal differentiation, male germ line imprinting, small nuclear ribonucleoprotein biogenesis, and regulation of the Wnt signaling pathway. Mutations in this gene underlie multiple related syndromes in human patients characterized by intellectual disability, short stature and other features. The encoded protein may promote breast cancer cell invasion and metastasis in human patients. [provided by RefSeq, May 2017]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks an exon in the 5' coding region, and its 3' terminal exon extends past a splice site that is used in variant 4, which results in a novel 3' coding region and 3' UTR compared to variant 4. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 4.</p>