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Product datasheet for SC127812

BUD23 (NM_017528) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BUD23 (NM_017528) Human Untagged Clone
Tag:	Tag Free
Symbol:	BUD23
Synonyms:	HASJ4442; HUSSY-3; MERM1; PP3381; WBMT; WBSCR22
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC127812 sequence for NM_017528 edited (data generated by NextGen Sequencing)

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ATGGCGTCCCGCGGCCGGCGTCCGGAGCATGGCGGACCCCCAGAGCTGTTTTATGACGAG
ACAGAAGCCCGGAAATACGTTCGCAACTCACGGATGATTGATATCCAGACCAGGATGGCT
GGGCGAGCATTGGAGCTTCTTTATCTGCCAGAGAATAAGCCCTGTTACCTGCTGGATATT
GGCTGTGGCACTGGGCTGAGTGGAAGTTATCTGTCAGATGAAGGGCACTATTGGGTGGGC
CTGGATATCAGCCCTGCCATGCTGGATGAGGCTGTGGACCGAGAGATAGAGGGAGACCTG
CTGCTGGGGGATATGGGCCAGGGCATCCCATTCAAGCCAGGCACATTTGATGGTTGCATC
AGCATTTCTGCTGTGCAGTGGCTCTGTAATGCTAACAAGAAGTCTGAAAACCCTGCCAAG
CGCCTGTACTGCTTTTTTGCTTCTCTTTTTTCTGTTCTCGTCCGGGGATCCCGAGCTGTC
CTGCAGCTGTACCCTGAGAACTCAGAGCAGTTGGAGCTGATCACAACCCAGGCCACAAAG
GCAGGCTTCTCCGGTGGCATGGTGGTAGACTACCCTAACAGTGCCAAAGCAAAGAAATTC
TACCTCTGCTTGTTTTCTGGGCCTTCGACCTTTATACCAGAGGGGCTGAGTGAAAATCAG
GATGAAGTTGAACCCAGGGAGTCTGTGTTCACCAATGAGAGGTTCCCATTAAGGATGTCG
AGGCGGGGAATGGTGAGGAAGAGTCGGGCATGGGTGCTGGAGAAGAAGGAGCGGCACAGG
CGCCAGGGCAGGGAAGTCAGACCTGACACCCAGTACACCGGCCGCAAGCGCAAGCCCCGC
TTCTAA
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Clone variation with respect to NM_017528.3

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017528 unedited
GGATTTTGTATACGACTTCTATAGGGCGGCCGCGAATTCGCACGAGGTGAGAATGGTCGT
CCCGCGGCCGGCGTCCGNGACATGGCGGACCCCCAGAGCTGTTTTATGACGAGACAGAAG
CCCGGAATACGTTCGCAACTCACGGATGATTGATATCCAGACCAGGATGGCTGGGCGAGC
ATTGGAGCTTCTTTATCTGCCAGAGAATAAGCCCTGTTACCTGCTGGATATTGGCTGTGG
CACTGGGCTGAGTGGAAGTTATCTGTCAGATGAAGGGCACTATTGGGTGGGCCTGGATAT
CAGCCCTGCCATGCTGGATGAGGCTGTGGACCGAGAGATAGAGGGAGACCTGCTGCTGGG
GGATATGGGCCAGGGCATCCCATTCAAGCCAGGCACATTTGATGGTTGCATCAGCATTTC
TGCTGTGCAGTGGCTCTGTAATGCTAACAAGAAGTCTGAAAACCCTGCCAAGCGCCTGTA
CTGCTTTTTGCTTCTCTTTTTTCTGTTCTCGTCCGGGGATCCCGAGCTGTCCTGCAGCTG
TACCCTGAGAACTCAGAGCAGTTGGAGCTGATCACAACCCAGGCCACAAAGGCAGGCTTC
TCCGGTGGCATGGTGGTAGACTACCCTAACAGTGCCAAAGCAAAGAAATTCTACCTCTGC
TTGTTTTCTGGGCCTTCGACCTTTATACCAGAGGGGCTGAGTGAAAATCAGGATGAAGTT
GAACCCAGGGAGTCTGTGTTCACCAATGAGAGGTTCCCATTAAGGATGTCGAGGCGGGGA
ATGGTGAGGAAGAGTCGGGCATGGGTGCTGGAGAAAANNGAGCGCACAGCGCAGGGCAGG
GAAGTCAGACTGACACCCATACACCGCCGCAGCGCAGCCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017528 unedited
ATGGACCGGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTCCTCCCTGGAAA
AGGAAGTTTCATTATGTTGCCCAGGCAGGTCTCAAACTCCTGGCCTCAAATGATCCTCCC
ACCTCAGCCTCCCAGGTGCTGGGATTACAGGTGTGAGCCACCACGCCCGGCCCAGAGAAC
TTTTTTTTTACTGCAGAAAACATTTTTATAACTTTAGAACTTTTCTAAAATACTACTTTG
TCAGCTGAACAATATAGAAAAGTGCAGAGGCAAGTGCCTTTCCAGAACCGCGTGGTGACT
TAAAAGCGGGGCTTGCGCTTGCGGCCGGTGTACTGGGTGTCAGGTCTGACTTCCCTGCCC
TGGCGCCTGTGCCGCTCCTTCTTCTCCAGCACCCATGCCCGACTCTTCCTCACCATTCCC
CGCCTCGACATCCTTAATGGGAACCTCTCATTGGTGAACACAGACTCCCTGGGTTCAACT
TCATCCTGATTTTCACTCAGCCCCTCTGGTATAAAGGTCGAAGGCCCAGAAAACAAGCAG
AGGTAGAATTTCTTTGCTTTGGCACTGTTAGGGTAGTCTACCACCATGCCACCGGAGAAG
CCTGCCTTTGTGGCCTGGGTTGTGATCAGCTCCAACTGCTCTGAGTTCTCAGGGTACAGC
TGCAGGACAGCTCGGGATCCCCGGACGAGAACCAGAAAAAGAGAAGCAANAAGCAGTACA
GGCGCTTGGCAGGGTTTTCAGACTTCTTGNTAGCATTACAGAGCCACTGCACAGCAGAAA
TGCTGATGCAACCATCAAATGTGCCCTGGCTTGAATGGGATGCCCCTGCCCNATATCCCC
AGCAGCAGGTCTCCCTCTATCTCTCGTCCACAGCCTCATCCAGCATGGCAGGGCTGATAT
NCCAGCCACCCCATAGTGCCCTTCATCTGAACGATAACTCCATCAGCCAGTGCCACGNCA
TTCCAGCAGGTACAGGCTTATTCTTGGCAAAAG

Restriction Sites: NotI-NotI

ACCN: NM_017528

Insert Size: 1190 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_017528.2, NP_059998.2
RefSeq Size:	1258 bp
RefSeq ORF:	846 bp
Locus ID:	114049
UniProt ID:	O43709
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome
Protein Pathways:	Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism, Tyrosine metabolism
Gene Summary:	This gene encodes a protein containing a nuclear localization signal and an S-adenosyl-L-methionine binding motif typical of methyltransferases, suggesting that the encoded protein may act on DNA methylation. This gene is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternatively spliced transcript variants have been found. [provided by RefSeq, Feb 2011] Transcript Variant: This variant (2) lacks an exon in the 3' coding region but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.