Product datasheet for SC320894

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_017528.2

GTGCTGCTGAGGCGTGAGAATGGCGTCCCGCGGCCGGCGTCCGGAGCATGGCGGACCCCC
AGAGCTGTTTTATGACGAGACAGAAGCCCGGAAATACGTTCGCAACTCACGGATGATTGA
TATCCAGACCAGGATGGCTGGGCGAGCATTGGAGCTTCTTTATCTGCCAGAGAATAAGCC
CTGTTACCTGCTGGATATTGGCTGTGGCACTGGGCTGAGTGGAAGTTATCTGTCAGATGA
AGGGCACTATTGGGTGGGCCTGGATATCAGCCCTGCCATGCTGGATGAGGCTGTGGACCG
AGAGATAGAGGGAGACCTGCTGCTGGGGGATATGGGCCAGGGCATCCCATTCAAGCCAGG
CACATTTGATGGTTGCATCAGCATTTCTGCTGTGCAGTGGCTCTGTAATGCTAACAAGAA
GTCTGAAAACCCTGCCAAGCGCCTGTACTGCTTTTTTGCTTCTCTTTTTTCTGTTCTCGT
CCGGGGGATCCCGAGCTGTCCTGCAGCTGTACCCTGAGAACTCAGAGCAGTTGGAGCTGAT
CACAACCCAGGCCACAAAGGCAGGCTTCTCCGGTGGCATGGTGGTAGACTACCCTAACAG
TGCCAAAGCAAAGAAATTCTACCTCTGCTTGTTTTCTGGGCCTTCGACCTTTATACCAGA
GGGGCTGAGTGAAAATCAGGATGAAGTTGAACCCAGGGAGTCTGTGTTCACCAATGAGAG
GTTCCCATTAAGGATGTCGAGGCGGGGAATGGTGAGGAAGAGTCGGGCATGGGTGCTGGA
GAAGAAGGAGCGGCACAGGCGCCAGGGCAGGGAAGTCAGACCTGACACCCAGTACACCGG
CCGCAAGCGCAAGCCCCGCTTCTAAGTCACCACGCGGTTCTGGAAAGGCACTTGCCTCTG
CACTTTTCTATATTGTTCAGCTGACAAAGTAGTATTTTAGAAAAGTTCTAAAGTTATAAA
AATGTTTTCTGCAGTAAAAAAAAAGTTCTCTGGGCCGGGCGTGGTGGCTCACACCTGTAA
TCCCAGCACCTTGGGAGGCTGAGGTGGGAGGATCATTTGAGGCCAGGAGTTTGAGACCTG
CCTGGGCAACATAATGAAACTTCCTTTCCAGGGAGAAAAAAAAAAAAAAAAAAAAAAAGCT
CTGAGAGCATCTTATTTTGTTTAAAGGCAAGAAATAAAATTTCCTTTTGTGGAAAAAAAA
AAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_017528

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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:	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.