

Product datasheet for **RC232405**

BUD23 (NM_001202560) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BUD23 (NM_001202560) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BUD23
Synonyms: HASJ4442; HUSSY-3; MERM1; PP3381; WBMT; WBSCR22
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC232405 representing NM_001202560
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCC CGCGCCGGCTCCGGAGCATGGCGGACCC CAGAGCTGTTTTATGACGAGACAGAAGCCC
GGAAATACGTTTCGCAACTCACGGATGATTGATATCCAGACCAGGATGGCTGGCGGAGCATTGGAGCTTCT
TTATCTGCCAGAGAATAAGCCCTGTTACCTGCTGGATATTGGCTGTGGCACTGGGCTGAGTGAAGTTAT
CTGTCAGATGAAGGGCACTATTGGTGGCCTGGATATCAGCCCTGCCATGCTGGATGAGGCTGTGGACC
GAGAGATAGAGGGAGACCTGCTGCTGGGGGATATGGGCCAGGGCATCCCATTCAAGCCAGGCACATTTGA
TGGTTGCATCAGCATTTCTGCTGTGCAGTGGCTCTGTAATGCTAACAAAGAAGTCTGAAAACCTGCCAAG
CGCCTGTACTGCTTTTTTCTTCTTTTTTCTGTTCTCGTCCGGGGATCCCAGAGCTGCTCTGCAGCTGT
ACCCTGAGAACTCAGAGCAGTTGGAGCTGATCACAACCCAGGCCACAAAGGCAGGCTTCTCCGGTGGCAT
GGTGGTAGACTACCCTAACAGTGCCAAAGCAAAGAAATTTACCTCTGCTTGTGTTTTCTGGGCCTTCGACC
TTTATACCAGAGGGGCTGAGTAAAAATCAGGATGAAGTTGAACCCAGGGAGTCTGTGTTACCAATGAGA
GGGAAGGTGGAGCATTGAGAGAAGGGCATCCGAGGCCACCAGACTCGGAGGTTCCCATTAAGGATGTC
GAGGCGGGGAATGGTGAAGAGTCCGGCATGGGTCTGGAGAAGAAGGAGCGGCACAGGCCAGGGC
AGGGAAGTCAGACCTGACACCCAGTACACCGCCGCAAGCGCAAGCCCGCTTC

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



[View online »](#)

Protein Sequence: >RC232405 representing NM_001202560
 Red=Cloning site Green=Tags(s)

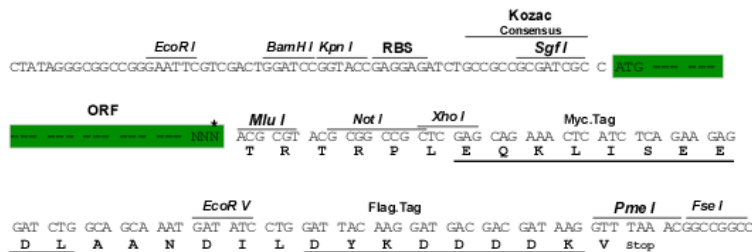
MASRGRRPEHGGPPPELFYDETEARKYVRNSRMIDIQTRMAGRALELLYLPENKPCYLLDIGCGTGLSGSY
 LSDEGHYVWGLDISPAMLDVAVDREIEGDLLLGDMMQGIIPFKPGTFDGCISISAVQWLCNANKKSENPAK
 RLYCFFASLFSVLVRGSRVAVLQLYPENSEQLELITTTQATKAGFSGGMVVDYPNSAKAKKFYLCFLSGPST
 FIFEPLSENQDEVEPRESVFTNEREGGAFERRGIRGHQTRRFPLRMSRRGMVRKSRAWVLEKKERHRRQG
 REVRPDTQYTGRRKPRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001202560

ORF Size: 894 bp

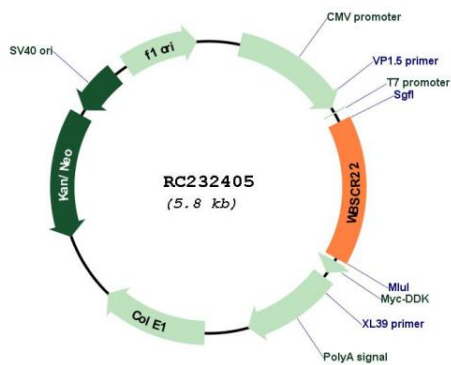
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001202560.3
RefSeq Size:	1307 bp
RefSeq ORF:	897 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
MW:	34.3 kDa
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]

Product images:



Circular map for RC232405