

Product datasheet for **RR204199**

As3mt (NM_080890) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	As3mt (NM_080890) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	As3mt
Synonyms:	Cyt19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204199 representing NM_080890 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTCCCCGAGACGCAGAGATCCACAAGGACGTTCAGAACTACTATGGGAATGTACTGAAGACAT
CTGCAGACCTCCAGACTAATGCTTGTGTACCCCCAGCCAAGGGGGTCCCTGAGTACATCCGAAAAGTCT
GCAGAATGTACATGAAGAAGTTATTTCCAGGTATTATGGCTGCGGTCTGGTGGTGCCTGAGCATCTGGAA
AACTGCCGGATTTGGATCTGGGCACTGGGAGTGGCAGAGATTGCTATGTGCTTAGCCAGCTGGTCGGCC
AGAAGGGACACATCACCGGGATAGACATGACTAAGGTCCAGGTGGAAGTGGCTAAGGCCTATCTTGAGTA
CCACACGGAAAAGTTCGGTTTCCAGACACCCAATGTGACTTTTCTTACGGCCAAATTGAGATGTTGGCA
GAGGCCGGATCCAGAAGGAGAGCTATGATATCGTTATATCCAATTGTGTGATCAACCTTGTCCCGACA
AACAAAAGTCTTCGGGAGGCTACCAAGTCTGAAGTACGGCGGGGAGCTCTATTTCACTGACGTCTA
TGCTAGCCTTGAAGTGTGAGAAGACATCAAGTACACAAGGTTTTATGGGGGAATGCCTGGGTGGCGCT
CTGTACTGGAAGGACCTCGCCGTCATTGCCAAAAGATTGGGTTCTGCCCTCCACGTTTGGTCACTGCCA
ATATTATTACGGTTGAAACAAGGAAGTAAAGGGTTCTGGTACTGTCGCTTCGTTCTGCCACATT
TCGCCTTTCAAACCTCCCTAAGACAGAGCCAGCCGGAAGATGCCAAGTTGTTACAATGGAGGAATCATG
GGGCACGAAAAGGAAGTAAATTTTCGATGCAAAATTTACATTCAAGGAAGTGAAGCTGTTGAAGTGGATG
AGGAGACGGCAGCCATCTTGAAGAACTCTCGGTTTGTCTACGATTTTCTTTCACACCTGTTGAGGCCTC
CCTGTTGGCTCCCCAAACAAAGTTATAATCAGAGATCCATTCAAGCTTGCAGAGGAATCTGACAAGATG
AAGCCGAGATGTGACCAGAAGGCACTGGAGGCTGCTGTGGCAAAGGAAAAGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204199 representing NM_080890
Red=Cloning site Green=Tags(s)

MAAPRDAEIHKDVQNYGNVLKTSADLQTNACVTPAKGVPEYIRKSLQNVHEEVISRYYGCGLVVPEHLE
 NCRILDLGSGSRDCYVLSQLVGQKGHITGIDMTKVQVEVAKAYLEYHTEKFGFQTPNVTFHLHGQIEMLA
 EAGIQKESYDIVISNCVINLVPDKQKVLREYVQVLKYGGELYFSDVYASLEVSEDIKSHKVLWGECLGGA
 LYWKDLAVIAKKIGFCPPRLVTANIITVGNKELERVLGDCRFVSATFRLFKLPKTEPAGRCQVYVYNGGIM
 GHEKELIFDANFTFKEGEAVEVDEETAAILRNSRF AHDFLFTPVEASLLAPQTKVIIRDPFKLAEE SDKM
 KPRCAPEGTGGCCGKRKSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

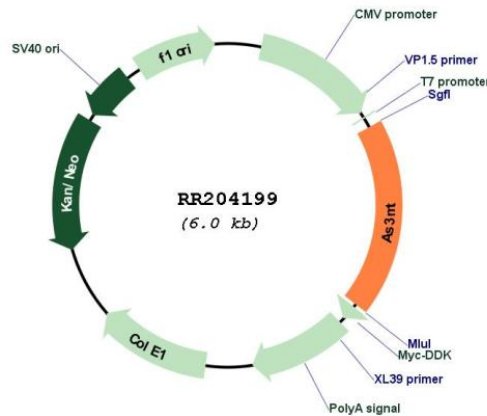
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_080890

ORF Size:	1107 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.
RefSeq:	NM_080890.1 , NP_543166.1
RefSeq Size:	1631 bp
RefSeq ORF:	1110 bp
Locus ID:	140925
UniProt ID:	Q8VHT6
Cytogenetics:	1q54
MW:	41.1 kDa
Gene Summary:	enzyme that catalyzes transfer of a methyl group to trivalent arsenicals producing methylated and dimethylated arsenicals [RGD, Feb 2006]