

## Product datasheet for SC317600

### Cyt 19 (AS3MT) (NM\_020682) Human Untagged Clone

#### Product data:

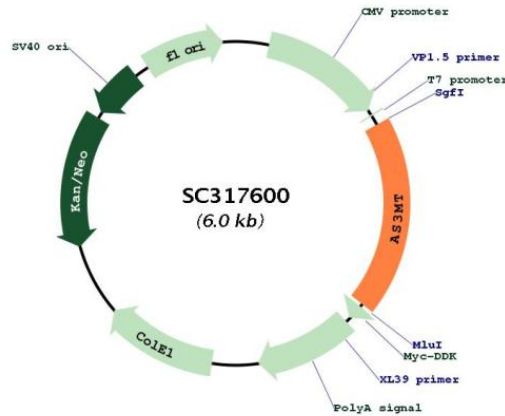
Product Type:	Expression Plasmids
Product Name:	Cyt 19 (AS3MT) (NM_020682) Human Untagged Clone
Tag:	Tag Free
Symbol:	AS3MT
Synonyms:	CYT19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317600 representing NM_020682. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCACTTCGTGACGCTGAGATACAGAAGGACGTGCAGACCTACTACGGGCAGGTGCTGAAGAGA
TCGGCAGACCTCCAGACCAACGGCTGTGTACCACAGCCAGGCCGGTCCCCAAGCACATCCGGGAAGCC
TTGCAAAATGTACACGAAGAAGTAGCCCTAAGATATTATGGCTGTGGTCTGGTATCCCTGAGCATCTA
GAAAAGTCTGGATTTTGGATCTGGGTAGTGAAGTGGCAGAGATTGCTATGTACTTAGCCAGCTGGTT
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TTGGGAGAGGCTGGAATCAAGAATGAGAGCCATGATATTGTTGTATCAAAGTGTGTTATTAACCTTGTG
CCTGATAAAACAAGTCTTCAGGAGGCATATCGGGTGTGTAAGCATGGTGGGAGTTATATTTTCAGT
GACGCTCTATACGAGCCTTGAAGTCCAGAAAGAAATCAGGACACACAAAGTTTTATGGGGTGTGCTG
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GTCAGTCCAATCTCATTACAATTCAAAACAAGGAACTGGAAAGAGTTATCGGTGACTGTCGTTTTGTT
TCTGCAACATTTGCCTCTTCAAACACTCTAAGACAGGACCAACCAAGAGATGCCAAGTTATTTACAAT
GGAGGAATTACAGGACATGAAAAAGAACTAATGTTTGTGCAATTTTACATTTAAGGAAGGTGAAATT
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CCAATTGGAGAGAAGTTGCCAACATCTGGAGGCTGTTCTGCTTTGGAGTTAAAGGATATAATCACAGAT
CCATTTAAGCTTGCAGAAGAGTCTGACAGTATGAAGTCCAGATGTGTCCCTGATGCTGCTGGAGGCTGC
TGTGGCACAAGAAAAGCTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_020682

**Insert Size:** 1128 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).

**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\\_020682.3](#)

**RefSeq Size:** 2477 bp

**RefSeq ORF:** 1128 bp

**Locus ID:** 57412

**UniProt ID:** [Q9HBK9](#)

<b>Cytogenetics:</b>	10q24.32
<b>Domains:</b>	Ubie_methyltran
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	41.7 kDa
<b>Gene Summary:</b>	AS3MT catalyzes the transfer of a methyl group from S-adenosyl-L-methionine (AdoMet) to trivalent arsenical and may play a role in arsenic metabolism (Lin et al., 2002 [PubMed 11790780]).[supplied by OMIM, Mar 2008]