

Product datasheet for **SC326738**

MOSMO (NM_001164579) Human Untagged Clone

Product data:

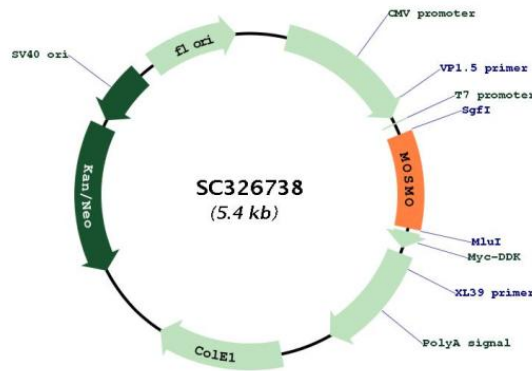
Product Type: Expression Plasmids
Product Name: MOSMO (NM_001164579) Human Untagged Clone
Tag: Tag Free
Symbol: MOSMO
Synonyms: ATTHOG; BC030336; C16orf52
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC326738 representing NM_001164579.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGATAAACTGACCATCATCTCAGGATGTCTCTTTCTGGCCCGGATATCTTCGCCATCGCCAGCATC
GCCAACCCGGACTGGATCAACACCGGGGAGTCTGCGGGAGCACTCACTGTGGCCTCGTGCACAGTGT
CAAACAATCCATGGACGAGACCGGACGTGCATCCCTCCCCGGCTCCCCCGGAGTGGGTACCACACTG
TTTTTATCATCATGGGAATCATTTATTGACTGTCACATGTGGTTTGTGGTGGCTTCCACTGGCGA
AGAGAAGCTACAAAATATGCTCGATGGATAGCATTCACTGGAATGATCCTTTTCTGTATGGCTGCCCTA
ATATTTCCAATAGGATTTTACATCAATGAAGTCGGAGGTCAACCTTATAAATTACCAACAACACAGTA
GTTGGGTATCATATGTACTTTTTGCTTATCAATTTTCTTTACAATAGTAGGACTTCTATTTGCTGTC
AAAGTTTGTTTACCAGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:


ACCN: NM_001164579

Insert Size: 504 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_001164579.1](#)

RefSeq Size: 4445 bp

RefSeq ORF: 504 bp

Locus ID: 730094

UniProt ID: [Q8NHV5](#)

Cytogenetics: 16p12.2

MW: 18.2 kDa

Gene Summary: Acts as a negative regulator of hedgehog signaling probably by promoting internalization and subsequent degradation of smoothened protein (SMO) present in the ciliary membrane. Plays a role in sonic hedgehog (SHH)-induced spinal neural progenitor cells differentiation.
[UniProtKB/Swiss-Prot Function]