

## Product datasheet for **SC206168**

### **C14orf169 (NM\_024644) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	C14orf169 (NM_024644) Human 3' UTR Clone
Symbol:	C14orf169
Synonyms:	C14orf169; hsNO66; JMJD9; MAPJD; NO66; ROX; URLC2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_024644
Insert Size:	481 bp
Insert Sequence:	<p>&gt;SC206168 3'UTR clone of NM_024644</p> <p>The sequence shown below is from the reference sequence of NM_024644. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
CTCACTAAGATGCCTCTAGCCCTAAATAGTTTCTTGTTGATTGCTGGAACAAGGCAGTAGTGATTCT
CCGCTGCCACTGCTACCTTTTTTTTTTTTTTTTCTTAAACTCACGTTCTTACCTTGATAAGCATCAGT
GTGCTCACATTTACCTTTATCACTGCTTCAGTGTCAAAACCTCGGAAGGTCTTCTAGGAAGAACCATC
TCATCTAGGTACAAAAGGAAAAGGAGAAGTTGGAGGTGGAAAAAAACCCTTGATCCGTGATCATTCA
GAGCACCAACTTCATCACCTTCAGGCTTCAGTGTACTGGGTAACACTGACCATGTCGTTCTGCTTGAGA
CAGATATTAGATTTTTTTTGGAAATTTGGATCTTTTCATCTGAGTTCTTTTTCATGGCGGGTGGGGTCA
GTATCCTGTTTGTATTGTTAAATTTGTATGAACCTTAGAAAAAGTTATTAAGTGCCAAAGAATGTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.


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**RefSeq:** NM\_024644.5

**Summary:** Oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. Specifically demethylates 'Lys-4' (H3K4me) and 'Lys-36' (H3K36me) of histone H3, thereby playing a central role in histone code. Preferentially demethylates trimethylated H3 'Lys-4' (H3K4me3) and monomethylated H3 'Lys-4' (H3K4me1) residues, while it has weaker activity for dimethylated H3 'Lys-36' (H3K36me2). Also catalyzes the hydroxylation of 60S ribosomal protein L8 on 'His-216'. Acts as a regulator of osteoblast differentiation via its interaction with SP7/OSX by demethylating H3K4me and H3K36me, thereby inhibiting SP7/OSX-mediated promoter activation (By similarity). May also play a role in ribosome biogenesis and in the replication or remodeling of certain heterochromatic region. Participates in MYC-induced transcriptional activation.[UniProtKB/Swiss-Prot Function]

**Locus ID:** 79697

**MW:** 18.5