

## Product datasheet for **SC201015**

### **C4orf27 (HPF1) (NM\_017867) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	C4orf27 (HPF1) (NM_017867) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HPF1
Synonyms:	C4orf27
ACCN:	NM_017867
Insert Size:	138 bp
Insert Sequence:	>SC201015 3'UTR clone of NM_017867 The sequence shown below is from the reference sequence of NM_017867. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CAAGAGAACATAGACCAACTTGCTGCATGAGTAAGGTGGCTTTGATTGGTGTACAGTATTTCAAAGGAC TAGTATTAACCTTGTGATTTTTGTTTTGTTTTAAGGAATACAAAAATAACATTTACTAAAAACGTT ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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.
RefSeq:	<u><a href="#">NM_017867.3</a></u>



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**Summary:**

Acts as a cofactor for serine ADP-ribosylation by conferring serine specificity on PARP1 and PARP2: interacts with PARP1 and PARP2 and is able to change amino acid specificity toward serine (PubMed:28190768, PubMed:29480802). Promotes histone serine ADP-ribosylation in response to DNA damage, limiting DNA damage-induced PARP1 hyper-automodification, and ensuring genome stability (PubMed:27067600, PubMed:28190768). Serine ADP-ribosylation of proteins constitutes the primary form of ADP-ribosylation of proteins in response to DNA damage (PubMed:29480802). HPF1 also promotes tyrosine ADP-ribosylation, probably by conferring tyrosine specificity on PARP1 (PubMed:30257210).[UniProtKB/Swiss-Prot Function]

**Locus ID:**

54969

**MW:**

5.6