

Product datasheet for **SC114312**

REV1 (NM_016316) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REV1 (NM_016316) Human Untagged Clone
Tag:	Tag Free
Symbol:	REV1
Synonyms:	AIBP80; REV1L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016316, the custom clone sequence may differ by one or more nucleotides

```
ATGAGCGGAGGTGGATGGAGGAAGCGAGCTGAAAATGATGGCTGGGAAACATGGGGTGGGTATATGGCTG
CCAAGTCCAGAAATTGGAGGAACAGTTTCGATCAGATGCTGCTATGCAGAAGGATGGGACTTCATCTAC
AATTTTTAGTGGAGTTGCCATCTATGTTAATGGATACACAGATCCTTCCGCTGAGGAATTGAGAAAATA
ATGATGTTGCATGGAGGTCAATACCATGTATATTATCCAGATCTAAAACAACACATATTATTGCCACAA
ATCTTCCCAATGCCAAAATTAAGAATTAAAGGGGGAAAAAGTAATTCGACCAGAATGGATTGTGGAAAG
CATCAAAGCTGGACGACTCCTCTCCTACATTCCATATCAGCTGTACACCAAGCAGTCCAGTGTGCAGAAA
GGTCTCAGCTTTAATCCTGTATGCAGACCTGAGGATCCTCTGCCAGGTCCAAGCAATATAGCCAAACAGC
TCAACAACAGGGTAAATCACATCGTTAAGAAGATTGAAACGGAAAATGAAGTCAAAGTCAATGGCATGAA
CAGTTGGAATGAAGAAGATGAAAATAATGATTTTGTGGATCTGGAGCAGACCTCTCCGGGAAGG
AAACAGAAATGGAATCCGCATCCAGAGGGAGCACTGCCATTTTTAATGGACACACTCCTAGCTCTAATG
GTGCCTTAAAGACACAGGATTGCTTGGTGCCCATGGTCAACAGTGTGCCAGCAGGCTTTCTCCAGCCTT
TTCCCAGGAGGAGGATAAGGCTGAGAAGAGCAGCACTGATTTCCAGAGACTGCACTCTGCAGCAGTTGCAG
CAAAGCACCAGAAACACAGATGCTTTGCCGAATCCACACAGAATAATCTTTCTCATTATCACCTTTGC
ACAGTAACACTAAAATCAATGGTGCTCACCCTCCACTGTTCCAGGGCCCTCAAGCACAAAAGCACTTC
TTCAGTATCTACGTTTAGCAAGGCAGCACCTTCAGTGCCATCCAACCTTCAGACTGCAATTTTATTTC
AACTTCTATTCTCATTCAAGACTGCATCACATATCAATGTGGAAGTGTGAATTGACTGAGTTTGTCAATA
CCCTACAAAGACAAAGTAAATGGTATCTTTCCAGGAAGGGAAAAAGTAAAAAAAATGAAAACAGGCAGGTC
TGCACTTGTGTAAGTACACAGGAGATATGTCAGTATTGAATCTCCAGACATCAGAGCTGTATAATG
CATGTTGATATGGATTGCTTCTTTGTATCAGTGGGTATACGAAATAGACCAGATCTCAAAGGAAAACAG
TGGCTGTTACAAGTAACAGAGGCACAGGAAGGGCACCTTTACGTCCTGGCGCTAACCCCCAGCTGGAGTG
GCAGTATTACCAGAATAAAATCCTGAAAGGCAAAGCAGCAGATATACCAGATTATCATTGTGGGAGAAT
CCAGATTCTGCGCAAGCAAAATGGAATTGATTCTGTTTTGTCAAGGGCTGAAATTGCATCTGTAGTTATG
AGGCCAGGCAACTGGCATTAAAGAACGGAATGTTTTTTGGGCATGCTAAACAACATATGCCTAATCTTCA
```



[View online »](#)

```

AGCTGTTCCATACGATTTTCATGCATATAAGGAAGTCGCACAAACATTGTATGAAACATTGGCAAGCTAC
ACTCATAACATTGAAGCTGTCAGTTGTGATGAAGCGCTGGTAGACATTACCGAAATCCTTGCAGAGACCA
AACTTACTCCTGATGAATTTGCAAATGCTGTTTCGTATGGAAATCAAAGACCAGACGAAATGTGCTGCCTC
TGTTGGAATTGGTTCTAATTTCTCTGGCTAGAATGGCAACTAGAAAAGCAAACCAGATGGGCAGTAC
CACCTAAAACCAGAAGAAGTAGATTTTTATCAGAGGCCAGCTAGTGACCAATCTACCAGGAGTTGGAC
ATTCATGGAATCTAAGTTGGCATCTTTGGGAATTAACCTTTGTTGAGACTTGCAGTATATGACCATGGC
AAAACCCAAAAAGAATTTGGTCCAAAAACAGGTCAGATGCTTTATAGGTTCTGCCGTGGCTGGATGAT
AGACCAGTTCGAACTGAAAAGGAAAGAAAATCTGTTTCAGCTGAGATCAACTATGGAATAAGGTTTACTC
AGCCAAAAGAGGCAGAAGCTTTTCTTCTGAGTCTTTCAGAAGAAATTCAAAGAAGACTAGAAGCCACTGG
CATGAAGGGTAAACGTCTAACTCTCAAAATCATGGTACGAAAGCCTGGGGCTCCTGTAGAAAAGTCAAAA
TTTGGAGGCCATGGAATTTGTGATAACATTGCCAGGACTGTAACCTTTGACCAGGCAACAGATAATGCAA
AAATAATTGAAAAGGCGATGCTAAACATGTTTCATACAATGAAACTAAATATATCAGATATGAGAGGGGT
TGGGATTCACGTGAATCAGTTGGTTCCAATACTGAACCTTCCACATGTCCAGTCCGCCATCAGTT
CAGTCAAGCCACTTTCCTAGTGGGTCACTCTGTCCGTGATGTCTTCCAAGTTCAGAAAAGTAAAGAAAT
CCACCGAAGAGGAGCACAAAGAAGTATTCGGGCTGCTGTGGATCTGGAATATCATCTGCTTCTAGAAC
TTGCACTTTCTGCCACCTTTTCTGACATCTGCCGACCAGTCCCTGATACTAACAGGCTGAGTCTTCA
GGGAAATGGAATGGTCTACATACTCTGTGAGTGTGAGTTCGAGACTTAACCTGAGTATAGAGGTCCTGT
CACCTTCCAGCTGGATCAGTCTGTTTTAGAAGCACTTCCACCTGATCTCCGGGAACAAGTAGAGCAAGT
CTGTGCTGTCCAGCAAGCAGAGTCACATGGCGCAAAAAGAAAGAACAGTAAATGGCTGTAAATACAGGA
ATTTTGCACAACCAGTTGGGACAGTCTTGTGCAAAATACCAGAACCTCAAGAATCGAACAGTGACGCAG
GAATAAATTTAATAGCCCTTCCAGCATTTTACAGGTGGACCTGAGGTATTTGCTGCCCTTCTGCTGA
ACTTCAGAGGGAGCTGAAAGCAGCGTATGATCAAAGACAAAGGCGAGGGGAGAACAGCACTCACCAGCAG
TCAGCCAGCGCATCTGTGCCAAAGAATCCTTTACTTTCATCTAAAGGCAGCAGTGAAGAAAAAGAAAGAA
ACAAGAAGAAAAAACCTTGGTTCAACAAAAAGGATTCAGAGTCTTTGAATAACAAGCTGCTTAAACAG
TCTGCAAAAAGTCTGCCAGGGCTGTGGCAGTCCCGAAGTTAATTGATGGGTTTCTAAAACATGAA
GGACCTCTGCAGAGAAACCCCTGGAAGAACTCTGCTTCTACTTCAGGTGTGCCAGGCCCTTCTAGTT
TGCAGTCTGACCCAGCTGGCTGTGTGAGACCTCCAGCACCAATCTAGCTGGAGCTGTTGAATTCATGA
TGTGAAGACCTTGGCTCAGAGAATGGATAACTACAATTTAGATCCAATGGAAGAAGACATTCTCAAAGT
GTGAAATACTGTACTGATCTAATAGAAGAAAAAGATTTGGAAAACTGGATCTAGTTATAAAATACATGA
AAAGGCTGATGCAGCAATCGGTGGAATCGGTTTGAATATGGCATTGACTTTATCTTGACAATGTCCA
GGTGGTTTTACAACAACTTATGGAAGCACATTAAGTTACATAA
    
```

5' Read Nucleotide Sequence:

```

>OriGene 5' read for NM_016316 unedited
CGCTGCTCAGCGGTGGGGCTGCCTTCCCCGGCCCTCCTCCCTGGTCCCTGGCGAGGGCA
CTGGCGGCGGGCCGGGGTCCGCAAGGCCGAGAAGGCCGCCGGGCCGGGCATGGT
GGTCTGGGGCAACGCGGAAGAAGCTCCACCATGAGGCGAGGTGGATGGAGGAAGCGAGCT
GAAAATGATGGCTGGGAAACATGGGGTGGGTATATGGCTGCCAAGTCCAGAAATGGAG
GAACAGTTTCGATCAGATGCTGCTATGCAGAAGGATGGGACTTCACTACAATTTTTAGT
GGAGTTGCCATCTATGTTAATGGATACACAGATCCTTCCGCTGAGGAATTGAGAAAATA
ATGATGTTGCATGGAGGTCAATACCATGTATATTATCCAGATCTAAAACAACACATATT
ATTGCCACAAATCTTCCAATGCCAAAATTAAGAATTAAGGGGGAAAAAGTAATTCGA
CCAGAATGGATTGTGAAAGCATCAAAGCTGGACGACTCCTCTCCTACATTCCATATCAG
CTGTACACCAAGCAGTCCAGTGTGCAGAAAGGTCTCAGCTTAACTCCTGTATGCAGACCT
GAGGATCCTCTGCCAGTCCAAGCAATATAGCCAAACAGCTCAACACAGGGTAAATCACA
TCGTTAAGAAGATTTGAACGGNAATGAAGTCAAGTCAATGGCATGAACAGTTGGAAATGA
AAGAAGATGAAATAATGATTTTTAGTTTTGTGGATCTGGAGCAGACCTCTNCGNAAGGAA
NCAGNNATGGANTNCGCATCCCAGAGGAGCACTGCATTNTTAATGGAN
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016316 unedited NNNCCATACTTGNACCGCGNCCGCATTCTANGAATCGGTTTTTTTTTTTTTTTTTAA TATACATACAGTTCTTTATTAACAACACTGTAAACACTTCACTGTAAAAATCCATAAACT TTATAACAAACATTTTGTAAATAGAATCTATGCTACAGTAAAATAATTAACACAATTAT TTACATGCAACTGACAAATTTGGCACTTTTGAAGAAATGTACAAAACACTTGCTT TAAAAGAAATTTAAAATTATAAAAACCTCCGAGCATTACTATCATGCACTTTGCAAATACC TCACAAGCACTTATGGCACAGCTATCAGAGAGCATCAGGCTCTCTGGTAATATTTATGTA ACTTTTAATGTGCTTCCATAAGTTTGTGTAACCACCTGGACATTGTCAAGAATAAAG TCAAATGCCATATTCCAACCGATTCCACCGATTGCTGCATCAGCCTTTTCATGATTTT ATAAGTAGATCCAGTTTTTCAAATCTTTTCTTCTATTAGATCAGTACAGTATTTTACA ACTTGGAGAATGTCTTCTCCATTGGATCTGAAATTGTAGTTATCCATTCTCTGAGCAAG GTCTTCACATCATTGAATCAACAGCTCCAGCTAGATTGGGTGCTGGAGGTCTCACACAG CCAGCTGGGTGACTGCANACTAGAAAGGCTGGCACACCTGAAGTAAAAGCAGAGAGT TCTTCCAGGGTTTCTCTGCAGGAGTCTTTCATGTTTTAGAAACCCATCAATTAATTC TGGGGACTGCCACAGGCCCTGGCAGAGTTTTGCAGGACTGTTAAGCAGCTTGTTATCAA AGAACTCTGAATCCTTTTGGTGAACCAAGGGTTTTTCTTCTTGGCNCCTTTCTTCTT TCACTGCCGCCTTTAAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_016316
Insert Size:	4860 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).
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_016316.1 , NP_057400.1
RefSeq Size:	4276 bp
RefSeq ORF:	3756 bp
Locus ID:	51455
UniProt ID:	Q9UBZ9
Cytogenetics:	2q11.2
Domains:	IMS, BRCT
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a protein with similarity to the *S. cerevisiae* mutagenesis protein Rev1. The Rev1 proteins contain a BRCT domain, which is important in protein-protein interactions. A suggested role for the human Rev1-like protein is as a scaffold that recruits DNA polymerases involved in translesion synthesis (TLS) of damaged DNA. [provided by RefSeq, Mar 2016]

Transcript Variant: This variant (1) encodes isoform 1.