

Product datasheet for **SC318733**

HIVEP1 (NM_002114) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | HIVEP1 (NM_002114) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | HIVEP1 |
| Synonyms: | CIRIP; CRYBP1; GAAP; MBP-1; PRDII-BF1; Schnurri-1; ZAS1; ZNF40; ZNF40A |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC318733 representing NM_002114. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGCCCTCGAACTAAACAAATTCATCCCAGAAATCTAAGAGACAAAATTGAAGAAGCACAAAAAGAACTT
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 GTGATAGCAACCTGA
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 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI
ACCN: NM_002114
Insert Size: 8157 bp

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| 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: | <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: | <u>NM_002114.3</u> |
| RefSeq Size: | 8874 bp |
| RefSeq ORF: | 8157 bp |
| Locus ID: | 3096 |
| UniProt ID: | <u>P15822</u> |
| Cytogenetics: | 6p24.1 |
| MW: | 296.8 kDa |
| Gene Summary: | This gene encodes a transcription factor belonging to the ZAS family, members of which are large proteins that contain a ZAS domain - a modular protein structure consisting of a pair of C2H2 zinc fingers with an acidic-rich region and a serine/threonine-rich sequence. These proteins bind specifically to the DNA sequence motif, GGGACTTCC, found in the enhancer elements of several viral promoters, including human immunodeficiency virus (HIV), and to related sequences found in the enhancer elements of a number of cellular promoters. This protein binds to this sequence motif, suggesting a role in the transcriptional regulation of both viral and cellular genes. [provided by RefSeq, Oct 2011] |