

## Product datasheet for **SC332014**

### CD2BP2 (NM\_001243646) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD2BP2 (NM\_001243646) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CD2BP2  
**Synonyms:** FWP010; LIN1; PPP1R59; Snu40; U5-52K  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332014 representing NM\_001243646.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCCAAAGAGGAAAGTGACCTTCCAAGGCGTGGGAGATGAGGAGGATGAGGATGAAATCATTGTCCCC
AAGAAGAAGCTGGTGGACCCTGTGGCTGGGTGAGGGGGTCTGGGAGCCGCTTTAAAGGCAAACTCT
TTGGATAGCGATGAGGAGGAGGATGATGATGATGGGGGTCCAGCAAATATGACATCTTGGCCTCAGAG
GATGTAGAAGGTCAGGAGGCAGCCACACTCCCCAGCGAGGGGGTGTTCGGATCACACCCTTAACCTG
CAGGAGGAGATGGAGGAAGGCCACTTTGATGCCGATGGCAACTACTTCTGAACCGGGATGCTCAGATC
CGAGACAGCTGGCTGGACAACATTGACTGGGTGAAGATCCGGGAGCGGCCACCTGGCCAGCGCCAGGCC
TCAGACTCGGAGGAGGAGGACAGCTTGGGCCAGACCTCAATGAGTGCCCAAGCCCTCTTGAGGGACTT
TTGGAGCTCCTATTGCCTAGAGAGACAGTGGCTGGGGCACTGAGGCGTCTGGGGGCCGAGGAGGAGGC
AAAGGGAGAAAGGGGCTGGGCAACCCAGTTCCCTCAGCGCCTGGACCGGCTCTCCGGTTGGCCGAC
CAGATGGTGGCCCGGGCAACCTTGGTGTGTACCAGGAAACAAGGGAACGGTTGGCTATGCGTCTGAAG
GGTTTGGGGTGTGAGACCCTAGGACCCCAACATCCACACCCCAACCTCCCTGGACATGTTGCTGAG
GAGTTGGCGGAGGAGGAAGTGGAGACCCCAACCCCTACCCAGAGAGGAGAAGCAGAGTCGCGGGGAGAT
GGTCTGGTGGATGTGATGTGGGAATATAAGTGGGAGAACCGGGGATGCCGAGCTGTATGGGCCCTC
ACCAGCGCCAGATGCAGACCTGGGTGAGTGAAGGCTACTTCCCGGACGGTGTATTGCCGGAAGCTG
GACCCCTGGTGGTCACTTCTACAACCTCAAACGCATTGACTTTGACCTCTACACCTGA
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001243646  
**Insert Size:** 1026 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).



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**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\\_001243646.1](#)

**RefSeq Size:** 3513 bp

**RefSeq ORF:** 1026 bp

**Locus ID:** 10421

**UniProt ID:** [O95400](#)

**Cytogenetics:** 16p11.2

**MW:** 37.6 kDa

**Gene Summary:** This gene encodes a bi-functional protein. In the cytoplasm, the encoded protein binds the cytoplasmic tail of human surface antigen CD2 via its C-terminal GYF domain, and regulate CD2-triggered T lymphocyte activation. In the nucleus, this protein is a component of the U5 small nuclear ribonucleoprotein complex and is involved in RNA splicing. A pseudogene has been identified on chromosome 7. Alternative splicing results in multiple transcript variants but their biological validity has not been determined. [provided by RefSeq, Nov 2008]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.