

## Product datasheet for **SC117148**

### OSCP (ITGBL1) (NM\_004791) Human Untagged Clone

#### Product data:

|                           |                                                |
|---------------------------|------------------------------------------------|
| Product Type:             | Expression Plasmids                            |
| Product Name:             | OSCP (ITGBL1) (NM_004791) Human Untagged Clone |
| Tag:                      | Tag Free                                       |
| Symbol:                   | OSCP                                           |
| Synonyms:                 | OSCP; TIED                                     |
| Mammalian Cell Selection: | None                                           |
| Vector:                   | <u>pCMV6-XL5</u>                               |
| E. coli Selection:        | Ampicillin (100 ug/mL)                         |



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**Fully Sequenced ORF:** >OriGene ORF within SC117148 sequence for NM\_004791 edited (data generated by NextGen Sequencing)

```
ATGCGTCCCCAGGCTTCAGGAACCTCTTGCTGCTGGCGTCCCTCCTCTTTGCTGGG
TTGTACAGTGTTCCTCAAAGCTTCTCGCCATCTCTGAGGAGCTGGCCGGGCGCCGCTGC
AGGCTGTCCCGGGCCGAGTCGGAGCGACGCTGCCGCGCACCTGGGCAGCCCCGGGGGCC
GCGCTGTGCCACGGCCGGGGCCGCTGCGACTGCGGCGTCTGCATCTGCCACGTGACTGAG
CCGGGCATGTTCTTCGGGCCCCCTGTGTGAGTGCCATGAGTGGGTGTGCGAGACCTACGAC
GGGAGCACCTGTGCAGGCCATGGTAAGTGTGACTGTGGCAAGTGCAAGTGTGACCAGGGA
TGGTATGGGGATGCTTGCCAGTACCCAATACTGTGACTTGACAAAGAAGAAAAGTAAC
CAAATGTGCAAGAATTCACAAGACATCATCTGCTCTAATGCAGGTACATGTCACTGTGGC
AGGTGTAAGTGTGATAATTCAGATGGAAGTGGACTTGTGTATGGTAAATTTTGTGAGTGT
GACGATAGAGAATGCATAGATGATGAAACAGAAGAAATATGTGGAGGCCATGGGAAGTGT
TACTGTGAAAACCTGCTACTGCAAGGCTGGTTGGCATGGAGATAAATGTGAATCCAGTGC
GATATCACCCCTGGGAAAGCAAGCGAAGATGCACGTCTCCAGATGGCAAAATCTGCAGT
AACAGAGGGACTTGTGTATGTGGTGAATGTACCTGTACAGATGTTGATCCGACTGGGGAC
TGGGGAGATATTCATGGGGACACCTGTGAATGTGATGAGAGGGACTGTAGAGCTGTCTAT
GACCGATATTCTGATGACTTCTGTTTCAAGTTCATGGACAGTGAATTCGGGAAGATGTGAC
TGCAAAGCAGGCTGGTATGGGAAGAAGTGTGAGCACCCACAGTCTGCACGCTGTGAGT
GAGGAGAGCATCAGGAAGTGCAGGGAAGCTCGGATCTGCCTTGTCTGGGAGGGGTAA
TGTGAATGTGGCAATGCACCTGCTATCCTCCAGGAGATCGCCGGGTGTATGGCAAGACT
TGTGAGTGTGATGATCGCCGCTGTGAAGACCTCGATGGTGTGGTCTGTGGAGGCCACGGC
ACATGTTCTCTGTGGTCTGTGTTTGTGAGAGAGGATGGTTTGGAAAGCTCTGCCAACAT
CCGCGGAAGTGTAAATGACGGAAGAACAAGCAAGAATCTGTGTAATCAGCAGATGGC
ATATTGTGCTCGGGGAAGGGTTCTTGTCATTGTGGGAAGTGCATTGTTCTGCTGAAGAG
TGGTATATTTCTGGGGAGTTCTGTGACTGTGATGACAGAGACTGCGACAAACATGATGGT
CTCATTTGTACAGGGAATGGAATATGTAGCTGTGGAACTGTGAATGCTGGGATGGATGG
AATGGAATGCATGTGAAATCTGGCTTGGCTCAGAATATCCTTAA
```

Clone variation with respect to NM\_004791.1  
561 c=>t

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004791 unedited

```
GTTTCGACATTTGTAAACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGAGACTCTCC
ACTGAGGGGTTTGGCACCAGCACCCCGCCAGAGCAGTGCCGCTGCCCAAATCCTCGCAG
GCAGCTCATCAACGCAATTGCAACTCCGGCTGGAGCCCCGGACCTGCAAGCCTGGGTGTC
CGTGGGTCCGCTGCCCAGCCATCTGCTGGTGGCACCTCTCCCTCCTGCCGCCTCCCTCG
GTGAACCCACCTTGCAAGTGCAGCTCGCCCGGAGCAGCCAGGAGCTCAGCATGCGT
CCCCAGGCTTCAGGAACCTTCTTGCTGCTGGCGTCTCCCTTCTCTTTGCTGGGTTGTCA
GCTGTTCTCAAAGCTTCTCGCCATCTCTGAGGAGCTGGCCGGGCGCCGCTGCAGGCTG
TCCCGGGCCGAGTCGGAGCGACGCTGCCGCGACCTGGGCAGCCCCGGGGGCCGCGCTG
TGCCACGGCCGGGGCCGCTGCGACTGCGGCGTCTGCATCTGCCACGTGACTGAGCCGGGC
ATGTTCTTCGGGCCCCTGTGTGAGTGCCATGAGTGGGTGTGCGAGACCTACGACGGGAGC
ACCTGTGCAGGCCATGGTAAGTGTGACTGTGGCAAGTGCAAGTGTGACCAGNGATGGTAT
GGGGATGCTTGCCAGTACCCAATACTGTGACTTGNACAAAAAGAAAAGTAACCAAATG
TGCAAGAATTCACAAGACATCATCTGCTCTAATGCANGTACATGTCACTGTGGCAGGTGT
AAGTGTGATAATTAGAGGAAAGTGGACTTGTGTATGGTAAATTTTGTGAGTGTGACGATN
GAGAATGCATAGATGATGAAACAGAAGAAAATGTGGAGGCCATGGNAAGTGTACTGTGG
AAA
```

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_004791 unedited</p> <pre> GCCACGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTAAACAACCTCCTGTCACTATT TATTTAAATGTTAAATTGCACATTTTTCATAATTCCTTTAAGAGAATCTTCTTTGGCGA GTCTAAAGCGACAGTACACAAATAACTTACCGGCTAAATGATCCAATGCCAGATGACTTA CTGACCAGTTTTTGGCCCTTGATCCAACCCCACTCTGATATTATACCTACTGTGAGCTTGA CTTCATTGAAAACATATTAATAATGGTGACTGATACGGAATCTGGAAAAATATGATGGAT CAACCAATGCGACTCTCCCTGTGGTCCCTTACATTCTAAATGGACTTTATTGCCCCACA ATGCGCCTCCGTACACCCCGTATGCCCCCACTGCCCCCTCAGAGGAACCTATTGCACAT AAGAACGCCTGAAAAATCAATTCCATGGGGACTGACATGCACACTGCCAAACAATAAAA CAACACAAAACGAACACAACCACCAACTGCACGCCCTCCTTAACCTAACCTTCCCTAC TACATACCAACACAAAACATCCACCAATCACACAGCCCGACACACACCCCCCACCAG CACCCTCTCCACCCCCATCATTCCCCCTCTACGTTTTCTCCTCCCTCACTTCCACC CCCACCTGCCCACTCCCTTCTCCTCTCCTCTCCTCCCACTTTCGACTATACACTTA CACACAACACACCCCTCACCCCCCCCCCCCCCTCACTCACTCCTCCCCGCCCAACC ACCTCCCTCCTCCCTCCCCNGCCCCCTCTACCAAATTCTCCATTACCACACCATT TCCTACCTCATCCCTCTCTTATCCCAAATTCTCCTTTCCACGCACTCATCCCGCTTTA TAATTTCACTTCATTCTCTCCTACGCACACTCGCAACCCCCACACCTTCACTACTCG </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>                        | NM_004791                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Insert Size:</b>                 | 2600 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq:</b>                      | <u><a href="#">NM_004791.1</a></u> , <u><a href="#">NP_004782.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>                 | 2498 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq ORF:</b>                  | 1485 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Locus ID:</b>                    | 9358                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID:</b>                  | <u><a href="#">O95965</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>                | 13q33.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Domains:</b>                     | EGF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Gene Summary:**

This gene encodes a beta integrin-related protein that is a member of the EGF-like protein family. The encoded protein contains integrin-like cysteine-rich repeats. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]

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