

Product datasheet for **RC207781**

OSCP (ITGBL1) (NM_004791) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSCP (ITGBL1) (NM_004791) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OSCP
Synonyms:	OSCP; TIED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC207781 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTCCCCCAGGCTTCAGGAACCTCTTGCTGCTGGCGTCTCCCTTCTCTTTGCTGGGTTGTCAGCTG
 TTCCTCAAAGCTTCTCGCCATCTCTGAGGAGCTGGCCGGGCGCCGCTGCAGGCTGTCCCGGCCGAGTC
 GGAGCGACGCTGCCGCGACCTGGGCAGCCCCGGGGGCGCGCTGTGCCACGGCCGGGGCCGCTGCGAC
 TGCGGCGTCTGCATCTGCCACGTGACTGAGCCGGGCATGTTCTTCGGGCCCTGTGTGAGTGCCATGAGT
 GGGTGTGCGAGACCTACGACGGGAGCACCTGTGCAGGCCATGGTAAGTGTGACTGTGGCAAGTCAAGTG
 TGACCAGGGATGGTATGGGGATGCTTGCAGTACCCAATACTGTGACTTGACAAAGAAGAAAAGTAAC
 CAAATGTGCAAGAATTCACAAGACATCATCTGCTCTAATGCAGGTACATGCTACTGTGGCAGGTGTAAGT
 GTGATAATTGAGTGAAGTGGACTTGTGTATGGTAAATTTGTGAGTGTGACGATAGAGAATGCATAGA
 CGATGAAACAGAAATATGTGGAGGCCATGGGAAGTGTACTGTGAAACTGCTACTGCAAGGCTGGT
 TGGCATGGAGATAAATGTGAATCCAGTGCGATATCACCCCTGGGAAAGCAAGCGAAGATGCACGTCTC
 CAGATGGCAAAATCTGCAGTAACAGAGGGAAGTGTGTATGTGGTGAATGTACCTGTCACGATGTTGATCC
 GACTGGGACTGGGGAGATATTCATGGGACACCTGTGAATGTGATGAGAGGACTGTAGAGCTGTCTAT
 GACCGATATTCTGATGACTTCTGTTCAAGTCATGGACAGTGTAATTGCGGAAGATGTGACTGCAAAGCAG
 GCTGGTATGGGAAGAAGTGTGAGCACCCACAGTCTGCACGCTGTGAGTGTGAGGAGAGCATCAGGAAGTG
 CCAGGGAAGCTCGGATCTGCCTTGCTCTGGGAGGGGTAATGTGAATGTGGCAATGCACCTGCTATCCT
 CCAGGAGATCGCCGGGTGTATGGCAAGACTTGTGAGTGTGATGATCGCCGCTGTGAAGACCTCGATGGTG
 TGGTCTGTGGAGGCCACGCACATGTTCTGTGGTCTGCTGTGTTTGTGAGAGAGGATGGTTTGGAAAGCT
 CTGCCAACATCCGCGGAAGTGTAAATGACGGAAGCAAGCAAGAATCTGTGTGAATCAGCAGATGGC
 ATATTGTGCTCGGGGAAGGGTCTTGTGCTTGTGGGAAGTGCATTTGTTCTGCTGAAGAGTGGTATATT
 CTGGGGAGTTCTGTGACTGTGATGACAGAGACTGCGACAAACATGATGGTCTCATTTGTACAGGAATGG
 AATATGTAGCTGTGAAACTGTGAATGCTGGGATGGATGGAATGGAAATGCATGTGAAATCTGGCTTGGC
 TCAGAATATCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207781 protein sequence
 Red=Cloning site Green=Tags(s)

MRPPGFRNFLLLASSLLFAGLSAVPQSFSPSLRSWPGAACRLSRAESERRCRAPGQPPGAALCHGRGRCD
 CGVCICHVTEPGMFFGPLCEHEWVCETYDGSTCAGHGKCDGKCKDQGWYGDACQYPTNCDLTKKSN
 QMCKNSQDIICSNAGTCHCGRCKDNDGSLVYGKFCECDDRECIDDETEEICGGHGKCYCNCYCKAG
 WHGDKCEFFQCDITPWESKRRCTSPDGKICSNRGTCVCGECTCHDVPDGTGWDIHDGTCECDERDCRAVY
 DRYSDDFCSGHGQCNCGRCDCKAGWYGKKEHPQSCTLSAEESIRKQGSDDLPCSGRGKCECGKCTCYP
 PGDRRVYGKTCECDRRCEDLDGVVCGHGTCSCGRVCERGWFGKLCQHPRKCNMTEEQSKNLCEADG
 ILCGKGSCHCGKICSAEEWYISGEFCDDDRCDKHDGLICTGNGICSCGNCECWDGWNACIWL
 SEYP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

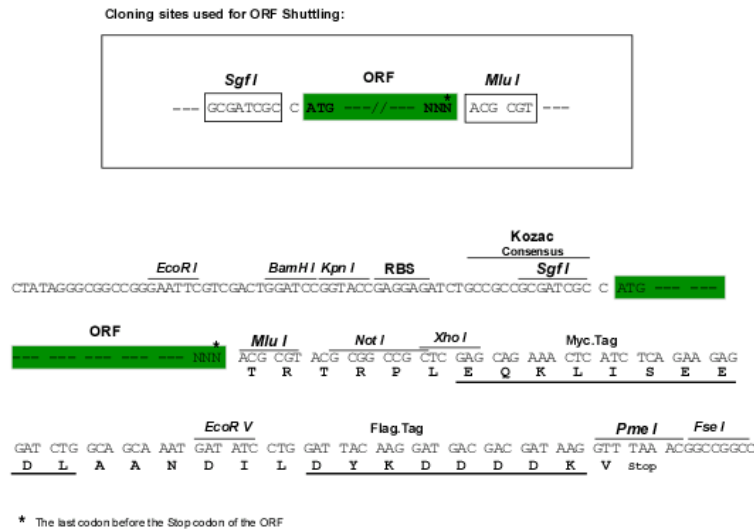
Chromatograms:

https://cdn.origene.com/chromatograms/mk6226_g11.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_004791

ORF Size: 1482 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_004791.3](#)

RefSeq Size: 2535 bp

RefSeq ORF: 1485 bp

Locus ID: 9358

UniProt ID: [O95965](#)

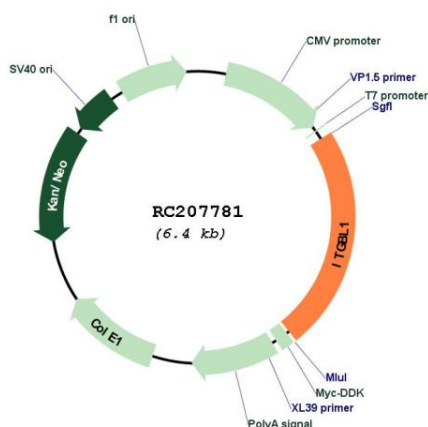
Cytogenetics: 13q33.1

Domains: EGF

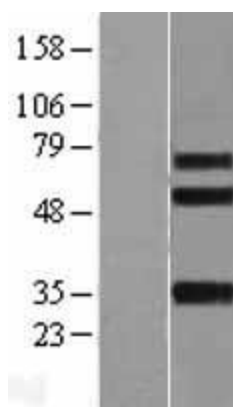
MW: 53.9 kDa

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]

Product images:



Circular map for RC207781



Western blot validation of overexpression lysate (Cat# [LY417744]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207781 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).