

Product datasheet for **RG207781**

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:	TurboGFP
Symbol:	OSCP
Synonyms:	OSCP; TIED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207781 representing NM_004791
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTCCCCCAGGCTTCAGGAACCTTCTGCTGCTGGCGTCTCCCTTCTCTTTGCTGGGTTGTCAGCTG
 TTCCTCAAAGCTTCTCGCCATCTCTGAGGAGCTGGCCGGGCGCCGCTGCAGGCTGTCCCGGCCGAGTC
 GGAGCGACGCTGCCGCGCACCTGGGCAGCCCCGGGGGCCGCGCTGTGCCACGGCCGGGGCCGCTGCGAC
 TGCGGCGTCTGCATCTGCCACGTGACTGAGCCGGGCATGTTCTTCGGGCCCTGTGTGAGTGCCATGAGT
 GGGTGTGCGAGACCTACGACGGGAGCACCTGTGCAGGCCATGGTAAGTGTGACTGTGGCAAGTGAAGTG
 TGACCAGGGATGGTATGGGGATGCTTGCCAGTACCCAATACTGTGACTTGACAAAGAAGAAAAGTAAC
 CAAATGTGCAAGAATTCACAAGACATCATCTGCTCTAATGCAGGTACATGCACTGTGCCAGGTGTAAGT
 GTGATAATTCAGATGGAAGTGGACTTGTGTATGGTAAATTTTGTGAGTGTGACGATAGAGAATGCATAGA
 CGATGAAACAGAAGAAATATGTGGAGGCCATGGGAAGTGTACTGTGAAACTGCTACTGCAAGGCTGGT
 TGGCATGGAGATAAATGTGAATTCAGTGCATATCACCCCTGGGAAAGCAAGCGAAGATGCACGCTCTC
 CAGATGGCAAAATCTGCAGTAACAGAGGGACTTGTGTATGTGGTGAATGTACCTGTCACGATGTTGATCC
 GACTGGGGACTGGGGAGATATTCATGGGGACACCTGTGAATGTGATGAGAGGGACTGTAGAGCTGTCTAT
 GACCGATATTCTGATGACTTCTGTTTCAGGTCATGGACAGTGAATTCGGGAAGATGTGACTGCAAAGCAG
 GCTGGTATGGGAAGAAGTGTGAGCACCCACAGTCTGCACGCTGTGAGTGTGAGGAGAGCATCAGGAAGTG
 CCAGGGAAGCTCGGATCTGCCTTGTCTGGGAGGGTAAATGTGAATGTGGCAAATGCACCTGCTATCCT
 CCAGGAGATCGCCGGGTGTATGGCAAGACTTGTGAGTGTGATGATCGCCGCTGTGAAGACCTCGATGGTG
 TGGTCTGTGGAGCCACGCACATGTTCTCTGTTGCTGCTGTTTGTGAGAGAGGATGGTTTGGAAAGCT
 CTGCCAACATCCGCGGAAGTGTAAACATGACGGAAGAACAAGCAAGAATCTGTGTGAATCAGCAGATGGC
 ATATTGTCTCGGGGAAGGGTCTTGTCTATTGTGGGAAGTGCATTTGTTCTGCTGAAGAGTGGTATATTT
 CTGGGGAGTTCTGTGACTGTGATGACAGAGACTGCGACAAACATGATGGTCTCATTTGTACAGGGAATGG
 AATATGTAGCTGTGAAACTGTGAATGCTGGGATGGATGGAAATGCATGTGAAATCTGGCTTGGC
 TCAGAATATCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207781 representing NM_004791
 Red=Cloning site Green=Tags(s)

MRPPGFRNLLLLASSLLFAGLSAVPQSFSPSLRSWPGAACRLSRAESERRCRAPGQPPGAALCHGRGRCD
 CGVCIHVTEPGMFFGPLCECHEWVCETYDGSTCAGHGKCDGKCKCDQGWYGDACQYPTNCDLTKKKS
 QMCKNSQDIICSNAGTCHGRCKDNSDGSGLVYKGFCECDDRECIDDETEEICGGHGKCYCGNCYCKAG
 WHGDKCEFQCDITPWESKRRCTSPDGKICSNRGTCVCGECTCHDVDPDGDWGDIIHGDTCEDDERDCRAVY
 DRYSDDFCSGHGQCNCGRCDCKAGWYGKKEHPQSCTLSAEESIRKQGSDDLPCSGRGKCECGKCTCYP
 PGDRRVYKTCEDDRRCELDGVVCGGHGTCSCGRVCERGFGLKQHPKCNMTEEQSKNLCEADG
 ILCSGKGSCHCGKICSAEWEYISGEFCDDDRCDKHDGLICTGNGICSCGNCECWDGWNACEIWL
 SEYP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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: 2498 bp

RefSeq ORF: 1485 bp

Locus ID: 9358

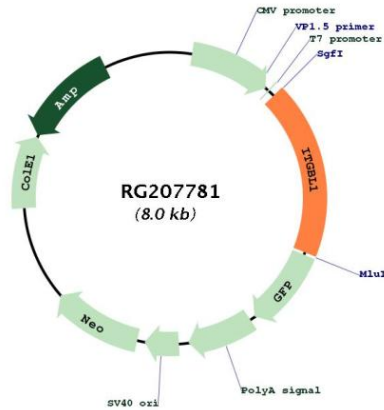
UniProt ID: [O95965](#)

Cytogenetics: 13q33.1

Domains: 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]

Product images:



Circular map for RG207781