

Product datasheet for **RG233987**

OSCP (ITGBL1) (NM_001271756) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSCP (ITGBL1) (NM_001271756) 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)
ORF Nucleotide Sequence:	>RG233987 representing NM_001271756 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAACCTAGTTGCAGTGATGGGAGCATTTAATAAAGGCCATGGTAAGTGTGACTGTGGCAAGTGAAGT
 GTGACCAGGGATGGTATGGGGATGCTTGCCAGTACCCAACTAACTGTGACTTGACAAAGAAGAAAAGTAA
 CCAATGTGCAAGAATTCACAAGACATCATCTGCTCTAATGCAGGTACATGCTACTGTGGCAGGTGAAG
 TGTGATAATTCAGATGGAAGTGGACTTGTGTATGGTAAATTTGTGAGTGTGACGATAGAGAATGCATAG
 ACGATGAAACAGAAGAAATATGTGGAGGCCATGGGAAGTGTACTGTGGAACTGCTACTGCAAGGCTGG
 TTGGCATGGAGATAAATGTGAATTCAGTGCATATCACCCCTGGGAAAGCAAGCGAAGATGCACGTCT
 CCAGATGGCAAAATCTGCAGTAACAGAGGGACTTGTGTATGTGGTGAATGTACCTGTACAGATGTTGATC
 CGACTGGGACTGGGGAGATATTCATGGGGACCTGTGAATGTGATGAGAGGGACTGTAGAGCTGTCTA
 TGACCGATATTCTGATGACTTCTGTTCAAGTCAATGGACAGTGAATTGCGGAAGATGTGACTGCAAGCA
 GGCTGGTATGGGAAGAAGTGTGAGCACCCACAGTCCTGCACGCTGTGAGTGTGAGAGAGCATCAGGAAGT
 GCCAGGAAGCTCGGATCTGCCTTGCTCTGGGAGGGTAAATGTGAATGTGGCAAATGCACCTGCTATCC
 TCCAGGAGATCGCCGGGTGTATGGCAAGACTTGTGAGTGTGATGATCGCCGCTGTGAAGACCTCGATGTT
 GTGGTCTGTGGAGGCCACGGCACATGTTCTGTGGTCTGCTGTGTTGTGAGAGAGGATGGTTTGGAAAGC
 TCTGCCAATCCGCGGAAGTGTAAATGACGGAAGAACAAGCAAGAATCTGTGTGAATCAGCAGATGG
 CATATTGTGCTCGGGGAAGGTTCTTGTGATTGTGGGAAGTGCATTTGTTCTGCTGAAGAGTGGTATATT
 TCTGGGAGTTCTGTGACTGTGATGACAGAGACTGCGACAAACATGATGGTCTCATTTGTACAGGGAATG
 GAATATGTAGCTGTGAAACTGTGAATGCTGGGATGGATGGAATGGAAATGCATGTGAAATCTGGCTTGG
 CTCAGAATATCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233987 representing NM_001271756
 Red=Cloning site Green=Tags(s)

MNLVAVMGAFNKGHGKCDGKCKCDQGWYGDACQYPTNCDLTKKKSQNMCKNSQDIICSNAGTCHCGRCK
 CDNSDGSGLVYGKFCEDDRECIDDETEEICGGHGKCYCGNICYCKAGWHGDKCEFCQDITPWESKRRCTS
 PDGKICSNRGTCVCGECTCHDVPDPTGDWGDHGDTCEDDERDCRAVYDRYSDDFCSGHGQCNCGRCDCKA
 GWYGGKCEHPQSCTLSAEESIRKQCQSSDLPCSGRGKCECGKCTCYPPGDRRVYGKTCECDRRCEDLDG
 VVCGGHGTCSCGRVCERGWFGKLCQHPKCNMTEEQSKNLCEADGILCSGKGSCHCGKICSAEEWYI
 SGFECDCCRDCDKHDGLICTGNGICSCGNCECWGNGNACEIWLGSEYP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001271756

ORF Size: 1203 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.

RefSeq: [NM_001271756.1](#), [NP_001258685.1](#)

RefSeq Size: 2027 bp

RefSeq ORF: 1206 bp

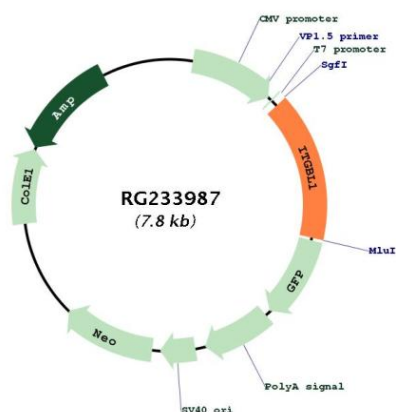
Locus ID: 9358

UniProt ID: [O95965](#)

Cytogenetics: 13q33.1

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 RG233987