

Product datasheet for **SC322415**

ITGB1BP1 (NM_004763) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ITGB1BP1
Synonyms:	ICAP-1A; ICAP-1alpha; ICAP-1B; ICAP1; ICAP1A; ICAP1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322415 ACGGGAGTAGCTGCCTGGGCGCCAAAGGCCGCGGCACTCCCACGCGGACCCCGAAGTCCG CAACCCGGGGATGGGCCCGCGGCTGCGAGGGGATCTTCTCTGGATCAAGCAATGGTGGTG AAAAATGTTTCGCAAGGGCAAAAAACGACACAGTAGTAGCAGTTCCCAAAGTAGCGAAAT CAGTACTAAGAGCAAGTCTGTGGATTCTAGCCTTGGGGTCTTTCACGATCCAGCACTGT GGCCAGCCTCGACACAGATTCCACCAAAGCTCAGGACAAAGCAACAATAATTCAGATAC CTGTGCAGAAATTCGAATAAAATATGTTGGTGCCATTGAGAACTGAACTCTCCGAGGG AAAAGGCCTTGAAGGGCCATTAGACCTGATAAATTATATAGACGTTGCCAGCAAGATGG AAAGTTGCCTTTTGTCTCCGAGGAAGAATTTATTATGGGAGTTTCCAAGTATGGCAT AAAAGTATCAACATCAGATCAATATGATGTTTTGCACAGGCATGCTCTCTACTTAATAAT CCGGATGGTGTGTACGATGACGGTCTGGGGTGGGAAAAAGCTTACTGGCTCTGAAGAC CACAGATGCAAGCAATGAGGAATACAGCCTGTGGGTTTATCAGTGCAACAGCCTGGAACA AGCACAGCCATTTGCAAGGTTTTATCCACCGCTTTTGAAGTCTGTATTAACATCTGAGAA ACCCTGAATCCTGCAATCAAGTAGAAGTCAACTTCATCTGAAAGTTCAGCTGTTTTCAA CTGCAATGCTGAAATGTTATGCAATAATGAAGTATCCCTTGCTCTAGATTTTCTGAAG AAAATGGATTGTGTAATGCTGATCATTTGTTTATTAATGAAGTGTCTATTAATTAATTA AAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_004763



OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_004763.3 , NP_004754.1
RefSeq Size:	1930 bp
RefSeq ORF:	603 bp
Locus ID:	9270
UniProt ID:	Q14713
Cytogenetics:	2p25.1
Domains:	PID

Gene Summary:

The cytoplasmic domains of integrins are essential for cell adhesion. The protein encoded by this gene binds to the beta1 integrin cytoplasmic domain. The interaction between this protein and beta1 integrin is highly specific. Two isoforms of this protein are derived from alternatively spliced transcripts. The shorter form of this protein does not interact with the beta1 integrin cytoplasmic domain. The longer form is a phosphoprotein and the extent of its phosphorylation is regulated by the cell-matrix interaction, suggesting an important role of this protein during integrin-dependent cell adhesion. Several transcript variants, some protein-coding and some non-protein coding, have been found for this gene. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1, 3, 4, and 5 all encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.