

Product datasheet for **SC303950**

ITGB1BP2 (NM_012278) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ITGB1BP2 (NM_012278) Human Untagged Clone
Tag: Tag Free
Symbol: ITGB1BP2
Synonyms: CHORDC3; ITGB1BP; MELUSIN; MSTP015
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC303950 representing NM_012278.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTCTCTACTCTGTCGTAACAAAGGCTGTGGCAGCACTTTGACCCTAATACCAACCTTCTGATTCC
TGTTGCCATCACCTGGGGTCCCAATCTCCATGATGCACTTAAGGGTTGGTCTGCTGCCGAAAGCGA
ACTGTAGATTTCTCTGAGTTCTTAAACATCAAGGGCTGTACTATGGGACCACACTGTGCTGAGAAGCTT
CCTGAGGCCCTCAACCTGAAGGCCCTGCTACAAGCAGTTCACCTCAGGAGCAAAAACCTCTGAATGTG
ATCCAAAGTCAGCAGAGACCTTGCGCCGGAGAGGCCCAAGTCAGAGTTGCCTCTGAAGCTGCTGCCG
CTAAATATATCCCAAGCCCTGAAATGGCATTGGAACAGAAGGAATTAGACCAGGAACCTGGGGCAGGA
CTTGACAGTCTGATCCGGACTGGTTCAGCTGCCAGAACCAGGATGTGATGCTGTTACCAAGGCCCT
GAGAGTGATGCTACTCCATGTACCTACCACCCAGGAGCACCCGATTCCATGAGGGGATGAAGTCTTGG
AGCTGTTGTGGCATCCAGACCCTGGATTTTGGGGCATTCTTGGCACAACCAGGGTGCAGAGTCGGTAGA
CATGACTGGGGGAAGCAGCTCCCAGCATCTTGCCGCCATGATTGGCACCAGACAGATTCTTAGTAGTG
GTGACTGTATATGGCCAGATTCCACTTCTGCGTTTAACTGGGTGAAGGCCAGTCAAACCTGAGCTTCAT
GTCCACATTGTCTTTGATGGTAACCGTGTGTTCCAAGCACAGATGAAGCTCTGGGGGTGATAAACGTG
GAGCAGAGCTCTGTCTTCTTGTGCCATCTCGGGTTGAAATCTCCCTGGTCAAGGCTGACCCAGGATCC
TGGGCCAGCTGGAGCACCTGATGCACTAGCTAAGAAGGCTAGGGCAGGGGTTGTGTTAGAGATGGAT
GAGGAAGAATCTGACGATTGAGATGATCTGAGCTGGACAGAGGAGGAAGAGGAGGAAGCAATG
GGGAATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_012278



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Insert Size:	1044 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_012278.2
RefSeq Size:	1292 bp
RefSeq ORF:	1044 bp
Locus ID:	26548
UniProt ID:	Q9UKP3
Cytogenetics:	Xq13.1
MW:	38.4 kDa
Gene Summary:	<p>This gene encodes a protein with two cysteine and histidine-rich (CHORD) domains, PXXP motifs, YXXI/P motifs, putative SH2 and SH3 domain binding motifs, and an acidic region at the C-terminus that can bind calcium. Two hybrid analysis showed that this protein interacts with the cytoplasmic domain of the beta 1 integrin subunit and is thought to act as a chaperone protein. Studies in the mouse ortholog of this gene indicate that absence of this gene in mouse results in failed cardiac hypertrophy in response to mechanical stress. Alternative splicing results in multiple transcript variants encoding different isoforms, including an isoform that lacks several domains, including one of the CHORD domains. [provided by RefSeq, May 2017]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>