

Product datasheet for **SC306679**

ITGB1BP3 (NMRK2) (NM_170678) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITGB1BP3 (NMRK2) (NM_170678) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITGB1BP3
Synonyms:	ITGB1BP3; MIBP; NRK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_170678 edited CACTGCGTGGTCGCACCCTACCCGGGCTGCCTTGGAAGTCGTCCCGCCGCCCTCCGCA CCGGCATGAAGCTCATCGTGGGCATCGGAGGCATGACCAACGGCGGCAAGACCACGCTGA CCAACAGCCTGCTCAGAGCCCTGCCAACTGCTGCGTGATCCATCAGGATGACTTCTTCA AGCCCCAAGACCAATAGCAGTTGGGGAAGACGGCTTCAAACAGTGGGACGTGCTGGAGT CTCTGGACATGGAGGCCATGCTGGACACCGTGCAGGCCTGGCTGAGCAGCCCGCAGAAGT TTGCCCCGTGCCACGGGGTCAGCGTCCAGCCAGAGGCCTCGGACACCCACATCCTCCTCC TGGGAAGGCTTCTGCTCTACAGCTACAAGCCCCTGGTGGACTTGTACAGCCGCCGGTACT TCCTGACCGTCCCGTATGAAGAGTGCAAGTGGAGGAGAAGTACCCGCAACTACACAGTCC CTGATCCCCCGGCTCTTCGATGGCCACGTGTGGCCCATGTACCAGAAGTATAGGCAGG AGATGGAGGCCAACGGTGTGGAAGTGGTCTACCTGGACGGCATGAAGTCCCAGAGGAGC TCTTCGTGAAGTCTGGAAGACATTCAAGACTCGCTGCTGAACCGCTCCAGGAATCAG CCCCCTCCCCGGCTCGCCAGCCAGGACACAGGGACCCGGACGCGGATGCGGCCACAGAA CGGCCAGGCCTGCAGCGTCCCAGCAGGACAGCATGTGAGCGTTTCCCTATGGGGGTGTCT GTACGTAGGAGAGTGGAGGCCCCACTCCAGTTGGGCGTCCCGGAGCTCAGGGACTGAGC CCCAAGACGCCTC
Restriction Sites:	Please inquire
ACCN:	NM_170678
Insert Size:	900 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).


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OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_170678.1.
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:	<u>NM_170678.1, NP_733778.1</u>
RefSeq Size:	1134 bp
RefSeq ORF:	693 bp
Locus ID:	27231
UniProt ID:	<u>Q9NPI5</u>
Cytogenetics:	19p13.3
Gene Summary:	Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). Reduces laminin matrix deposition and cell adhesion to laminin, but not to fibronectin. Involved in the regulation of PXN at the protein level and of PXN tyrosine phosphorylation. May play a role in the regulation of terminal myogenesis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.