

Product datasheet for **SC337097**

ITGB6 (NM_001282390) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITGB6 (NM_001282390) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITGB6
Synonyms:	A11H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

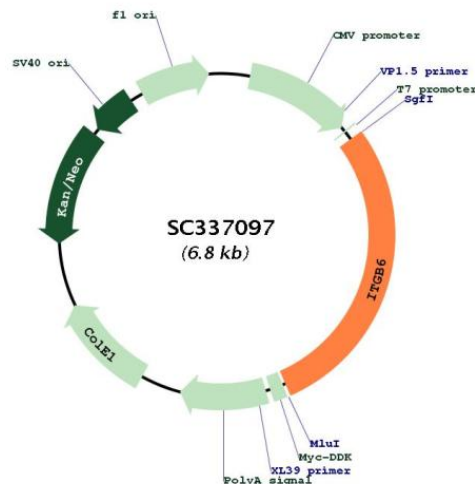


[View online »](#)

Fully Sequenced ORF: >SC337097 representing NM_001282390.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGACCTCTCCGCCTCCATGGATGACGACCTCAACACAATAAAGGAGCTGGGCTCCCGGCTTTCCAAA
GAGATGTCTAAATTAACCAGCAACTTTAGACTGGGCTTCGGATCTTTTGTGGAAAAACCTGTATCCCCT
TTTGTGAAAAACAACACCAGAAGAAATTGCCAACCTTGCAGTAGTATTCCATACTTCTGTTTACCTACA
TTTGGATTCAAGCACATTTTGCCATTGACAAATGATGCTGAAAGATTCAATGAAATTGTGAAGAATCAG
AAAATTTCTGCTAATATTGACACACCCGAAGGTGGATTTGATGCAATTATGCAAGCTGCTGTGTGAAG
GAAAAAATTTGGCTGGCGGAATGACTCCCTCCACCTCCTGGTCTTTGTGAGTGATGCTGATTCTCATTTT
GGAATGGACAGCAAACTAGCAGGCATCGTCATTCTAATGACGGGCTCTGCTCACTTGACAGCAAGAAT
GAATACTCCATGTCAACTGTCTTGAATATCCAACAATTGGACAACCTATTGATAAACTGGTACAAAAC
AACGTGTTATTGATCTTCGCTGTAAACCAAGAACAAGTTCATTTATATGAGAATTACGCAAACTTATT
CCTGGAGCTACAGTAGGCTACTTCAGAAGGACTCCGGAACATTCTCCAGCTGATCATCTCAGCTTAT
GAAGAACTGCGGTCTGAGGTGGAAGTATTAGGAGACACTGAAGGACTCAACTTGTCAATTTACA
GCCATCTGTAACAACGGTACCCTCTTCCAAACCAAAAAGAAATGCTCTCATGAAAGTGGGAGACACA
GCTTCCTTCAGCGTGACTGTGAATATCCCACACTGCGAGAGAAGAAGCAGGCACATTATCATAAAGCCT
GTGGGGCTGGGGGATGCCCTGGAATTACTTGTGAGCCAGAAATGCAACTGCGACTGTGAGAAAGAAGTG
GAAGTGAACAGCTCCAAATGTCACCACGGGAACGGCTCTTTCCAGTGTGGGGTGTGTGCCTGCCACCT
GGCCACATGGGGCCTCGCTGTGAGTGTGGCGAGGACATGCTGAGCACAGATTCTGCAAGGAGGCCCA
GATCATCCCTCTGCAGCGGAAGGGGTGACTGCTACTGTGGCAGTGTATCTGCCACTTGTCTCCCTAT
GGAAACATTTATGGGCCCTATTGCCAGTGTGACAATTTCTCCTGCGTGAGACACAAGGGTCTCTGC
GGAGGTAACGGCGACTGTGACTGTGGTGAATGTGTGTGAGGAGCGGCTGGACTGGCGAGTACTGCAAC
TGACCACCAGCACGGACTCCTGCGTCTCTGAAGATGGAGTGTCTGACGCGGGCGGGGACTGTGTT
TGTGGCAAGTGTGTTGCACAAACCTGGAGCCTCAGGACCAACCTGTGAACGATGCTCTACCTGTGGT
GACCCCTGTAACCTAAACGGAGCTGCATTGAGTGCCACCTGTCAGCAGCTGGCCAAGCCCGAGAAGAA
TGTGTGGACAAGTGCAAACTAGCTGGTGCACCATCAGTGAAGAAGAAGATTTCTCAAAGGATGTTCT
GTTTCCTGCTCTGCAAGGAGAAAATGAATGTCTTATTACATTCCTAATAACTACAGATAATGAGGGG
AAAACCATCATTACAGCATCAATGAAAAAGATTGTCCGAAGCCTCCAAACATTCCTATGATCATGTTA
GGGGTTTCCCTGGCTATTCTTCTCATCGGGTTGTCTACTGTGCATCTGGAAGCTACTGGTGTCAATTT
CATGATCGTAAAGAAGTTGCCAAATTTGAAGCAGAACGATCAAAAAGCCAAGTGGCAAACGGGAACCAAT
CCTACTACAGAGGATCCACAAGTACTTTAAAAATGTAACTTATAAACACAGGGAAAAACAAGGTA
GACCTTCCACAGATTGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001282390

Insert Size: 1953 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).

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_001282390.1](#)

RefSeq Size: 4440 bp

RefSeq ORF: 1953 bp

Locus ID: 3694

Cytogenetics: 2q24.2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton

MW: 70.9 kDa

Gene Summary: This gene encodes a protein that is a member of the integrin superfamily. Members of this family are adhesion receptors that function in signaling from the extracellular matrix to the cell. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The encoded protein forms a dimer with an alpha v chain and this heterodimer can bind to ligands like fibronectin and transforming growth factor beta 1. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Transcript Variant: This variant (7) lacks an alternate 5' exon and uses an alternate 5' splice site, compared to variant 1. This variant represents translation initiation at a downstream AUG compared to variant 1; the 5'-most initiation codon, as used in variant 1, is associated with a truncated ORF that would render the transcript a candidate for nonsense-mediated decay (NMD). Leaky scanning may allow translation initiation at the downstream AUG resulting in a shorter isoform (f) compared to isoform a. 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.