

Product datasheet for **SC337457**

ITGB6 (NM_001282353) Human Untagged Clone

Product data:

| | |
|---------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ITGB6 (NM_001282353) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ITGB6 |
| Synonyms: | A11H |
| Vector: | <u>pCMV6 series</u> |



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001282353, the custom clone sequence may differ by one or more nucleotides

```

ATGGGGATTGAACTGCTTTGCCTGTTCTTTCTATTTCTAGGAAGGAATGATCACGTACAAGGTGGCTGTG
CCCTGGGAGGTGCAGAAACCTGTGAAGACTGCCTGCTTATTGGACCTCAGTGTGCCTGGTGTCTCAGGA
GAATTTTACTCATCCATCTGGAGTTGGCGAAAGGTGTGATACCCAGCAAACCTTTTAGCTAAAGGATGT
CAATTAACCTTCATCGAAAACCTGTCTCCAAGTAGAAATACTTAAAAATAAGCCTCTCAGTGTAGGCA
GACAGAAAAATAGTTCTGACATTGTTGAGATTGCGCCTCAAAGCTTGATCCTTAAGTTGAGACCAGTGG
TGCGCAGACTCTGCAGGTGCATGTCCGCCAGACTGAGGACTACCCGGTGGATTTGTATTACCTCATGGAC
CTCTCCGCTCCATGGATGACGACCTCAACACAATAAAGGAGCTGGGCTCCCGGCTTTCAAAGAGATGT
CTAAATTAACCAGCAACTTTAGACTGGGCTTCGGATCTTTGTGGAAAAACCTGTATCCCCTTTGTGAA
AACACACCAGAAGAAATGCCAACCTTGCAAGTATCCATACTTCTGTTTACCTACATTTGGATTC
AAGCACATTTTGCATTGACAAATGATGCTGAAAGATTCAATGAAATTGTGAAGAATCAGAAAAATTTCTG
CTAATATTGACACACCCGAAGGTGGATTTGATGCAATTATGCAAGCTGCTGTGTGAAGAAAAATTTGG
CTGGCGGAATGACTCCCTCCACCTCCTGGTCTTTGTGAGTGATGCTGATTCTATTTGGAAATGGACAGC
AACTAGCAGGCATCGTCATTCTAATGACGGGCTCTGTCACTTGGACAGCAAGAATGAATACTCCATGT
CAACTGTCTTGGAAATATCCAACAATTGGACAACCTATTGATAAATGGTACAAAAACAGTGTATTATGAT
CTTCGCTGTAAACCAAGAACAAGTTCATTTATATGAGAATTACGCAAACTTATTCCTGGAGCTACAGTA
GGTCTACTTCAGAAGGACTCCGGAACATTCTCCAGCTGATCATCTCAGCTTATGAAGAAGTGGGCTCTG
AGGTGGAAGTGGAAATATTAGGAGACACTGAAGGACTCACTTGTCACTTACAGCCATCTGTAACAACGG
TACCCTCTTCCACACCAAAAAGAAATGCTCTCATGAAAGTGGGAGACACAGCTTCCTTACCGTGACT
GTGAATATCCCACTGCGAGAGAAGAAGCAGGCACATTATCATAAAGCCTGTGGGGCTGGGGGATGCC
TGGAAATTAAGTGTGAGCCAGAAATGCAACTGCGACTGTCAGAAAGAAGTGGAAAGTGAACAGCTCCAATG
TACCACGGGAACGGCTCTTCCAGTGTGGGTGTGTGCCTGCCACCCTGGCCACATGGGGCTCGCTGT
GAGTGTGGCGAGGACATGCTGAGCACAGATTCTGCAAGGAGGCCCCAGATCATCCCTCTGCAGCGGAA
GGGGTACTGCTACTGTGGGCGAGTGTATCTGCCACTTGTCTCCCTATGGAACATTTATGGGCCTTATTG
CCAGTGTGACAATTTCTCTGCGTGTGAGACAAAAGGGCTGCTCTGCGGAGGTAAACGGGACTGTGACTGT
GGTGAATGTGTGTGCAGGAGCGGCTGGACTGGCGAGTACTGCAACTGCACCACCAGCACGGACTCCTGCG
TCTCTGAAGATGGAGTGTCTGCAGCGGGCGGGGACTGTGTTGTGGCAAGTGTGTTTGCACAAACCC
TGGAGCCTCAGGACCAACCTGTGAACGATGTCCTACCTGTGGTGACCCCTGTAACCTAAACGGAGCTGC
ATTGAGTGCCACCTGTGACGAGCTGGCCAAGCCGAGAAGAATGTGTGGCAAGTCAAACCTAGCTGGTG
CGACCATCAGTGAAGAAGAAGATTTCTCAAGGATGGTTCTGTTTCTGCTCTCTGCAAGGAGAAAAATGA
ATGTTTATTACATTCCTAATAACTACAGATAATGAGGGGAAAACCATCATTACAGCATCAATGAAAA
GATTGTCCGAAGCCTCCAACATTTCCATGATCATGTTAGGGGTTTCCCTGGCTATTCTTCTCATCGGG
TTGTCTACTGTGCATCTGGAAGCTACTGGTGTCAATTCATGATCGTAAAGAAGTTGCCAAATTTGAAGC
AGAACGATCAAAGCCAAGTGGCAAACGGGAACCAATCCACTCTACAGAGGATCCACAAGTACTTTTAA
AATGTAACCTATAAACACAGGAAAAACAAAAGGTAGACCTTTCCACAGATTGCTAG
    
```

Restriction Sites: SgfI-MluI

ACCN: NM_001282353

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: | <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_001282353.1 , NP_001269282.1 |
| RefSeq Size: | 4586 bp |
| RefSeq ORF: | 2367 bp |
| Locus ID: | 3694 |
| UniProt ID: | P18564 |
| 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 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (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.</p> |