

Product datasheet for SC124146

ITGA11 (NM_012211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITGA11 (NM_012211) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITGA11
Synonyms:	HsT18964; integrin, alpha 11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124146 sequence for NM_012211 edited (data generated by NextGen Sequencing)

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ATGGACCTGCCAGGGGCTGGTGGTGGCCTGGGCGCTCAGCCTGTGGCCAGGGTTCACG
GACACCTTCAACATGGACACCAGGAAGCCCGGTCATCCTGGCTCCAGGACCGCCTTC
TTTGGCTACACAGTGCAGCAGCAGACATCAGTGGCAATAAGTGGCTGGTCTGGGCGCC
CCACTGGAAACCAATGGCTACCAGAAGACGGGAGACGTGTACAAGTGTCCAGTGATCCAC
GGGAACCTGCACCAAACTCAACCTGGGAAGGGTCAACCTGTCCAACGTGTCCGAGCGGAAA
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TGCAGCCCCCTCTGGTCTCATGAGTGTGGGAGCTCCTACTACACCACAGGGATGTGTTCA
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CATGGTGCATACCTGGGTACACAGTCACATCGGTCTGTCTCCAGGCAGGGGCGAGTG
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AACACCCGGAGCCTCACCATCCACCAGGCTATGCGGGGCCAGCAGATAGGCTCTTACTTT
GGGAGTAAATCACCTCGGTGGACATCGACGGCGACGGCTGACTGATGCTCTGCTGGT

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GGCGCACCCATGTA CTTC AACGAGGGCCGTGAGCGAGGCAAGGTGTACGTCTATGAGCTG
AGACAGAACCGGTTTGTTTATAACGGAACGCTAAAGGATTCACACAGTTACCAGAATGCC
CGATTTGGGTCCTCCATTGCCTCAGTTCGAGACCTCAACCAGGATTCTACAATGATGTG
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AAGCTGAGGGACTTCTCACGGACGAGGCGAACACGTCTGTAACATCTGGGGCAATAGC
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CCCATCTGGATCATTGTAGGCAGCACCTGGGGGGCCTCTACTGCTGGCCCTGTGGTC
CTGGCACTGTGGAAGCTCGGCTTCTTTAGAAGTGCCAGGCGCAGGAGGGAGCCTGGTCTG
GACCCACCCCAAGTGTGGAGTGA

Clone variation with respect to NM_012211.3

651 c=>t;1317 g=>a;1571 t=>g;1677 c=>t;2583 a=>g;2904 c=>t;3195 c=>t

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012211 unedited</p> <pre> TAACGTCAAATATTTGTATACGACTCATATAGGGCGGCCGCAATTTCGCACCAGAGGCGC CGCGCCGAGGAGGCTGCCGCTCTGGCTTGCCGCCCCCGCCGCGCTGCACACCGGACCC AGCCGCGGTGCCGCGGCCATGGACCTGCCAGGGGCTGGTGGTGGCCTGGGCGCTCAG CCTGTGGCCAGGTTACGGACACCTTCAACATGGACACCAGGAAGCCCCGGGTATCCC TGGCTCCAGGACCGCCTTCTTTGGCTACACAGTGCAGCAGCAGACATCAGTGGCAATAA GTGGCTGGTCGTGGGCGCCCCACTGGAAACCAATGGCTACCAGAAGACGGGAGACGTGTA CAAGTGTCCAGTGATCCACGGGAAGTGCACCAAACTCAACCTGGGAAGGTCACCCTGTC CAACGTGTCCGAGCGAAAGACAACATGCGCCTCGGCCTTAGTCTCGCCCAACCCCAA GGACAACAGCTTCTGGCTGCAGCCCCCTCTGGTCTCATGAGTGTGGGAGCTCCTACTA CACCACAGGGATGTGTTCAAGAGTCAACTCCAACCTCAGGTTCTCAAGACCGTGGCCCC AGCTCTCAAAGGTGCCAGACCTACATGGACATCGTCATTGTCTGGATGGTCCAAACAG CATCTACCCTGGGTGGAGTTTCACTTCTCATCAACATCCTGAAAAAGTTNTACAT TGGGCCAGGCAGATCCAGGTTTGGAGTTGTGCAGTATGGCGAAAATGTGGTGCATGAGT TTCACCTCAATGACTACAGGTCTGTAAGGAGTTGGGAGCTGCCACCCCATTTGACAN AGAGGAGGAACAGAAACCGGACGCATTTGCAATTGATTTGAACGCTTAAAGCTTCCAA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012211 unedited</p> <pre> CGCTAATTCCTGTCTGGTGTCCACACCANGCTCCCTCCTGCGCCTGGCACTTCTAAAGAA GCCGAGCTTCCACAGTGCATGTTCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG GCCTACTATGATCCAGATGGGGACCTGCCAGTCTCTTGGTGGAGATCTCAAACACGAT CTGGCGGCTGGGATCCTCCTCACGGAAGATGAAGGGGCTGTGAACTGCCTCTGCAAGGC TGCGTTGACCATGATTTTCATGGATTTGTACTTGGAGTGTCTTTAGGGACCTCAACCACAG GTTCCCAAGTAGATGGAAATGATTTCTGGTTGGGGACAGCCGATATTTGCAGTTGA TGGAGACAGNNTCCGAGTTGCTGTGATTGAGTGTGGAGCAGCAGCAAGTCTTCTTCCA CTGGAGGGGGCCGGTACTCAGAGCTATTGCCCCAAATGTTACTCGACGTGTTCTTTCAT CCGCGATGAACTCCCTCAGCTTCGTATGCGGTTGCCGCTCCTCGTGGCGATGGGAACGGT GATCTCCATTATCATCCCGGGGATGGGGAACAAGCCCAAGTTCTGGATCCTGAAGATGCA CCTGAAGGGAGGCCGGATCCATCGTATTTCTCCTACCAGCTGTGTGGGCTTGACCTCAT AGTGGCTCAGGCTGCTGCTCCTGGTGAAGAGGACGCCGCTTATATTTGAGGTGGAAA CCGTAAGGAGGCCACGTTGTCTTCTTGGCGCTGACCCGCTGAGAGGGACG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_012211
Insert Size:	3200 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:	<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_012211.3 , NP_036343.3
RefSeq Size:	5005 bp
RefSeq ORF:	3567 bp
Locus ID:	22801
Cytogenetics:	15q23
Domains:	FG-GAP, VWA
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 an alpha integrin. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein contains an I domain, is expressed in muscle tissue, dimerizes with beta 1 integrin in vitro, and appears to bind collagen in this form. Therefore, the protein may be involved in attaching muscle tissue to the extracellular matrix. Alternative transcriptional splice variants have been found for this gene, but their biological validity is not determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>