

Product datasheet for **SC200216**

ITGA8 (NM_003638) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ITGA8 (NM_003638) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ITGA8
ACCN:	NM_003638
Insert Size:	2000 bp



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Insert Sequence: >SC200216 3'UTR clone of NM_003638
 The sequence shown below is from the reference sequence of NM_003638. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGACAAATGACAAGACCCTGAGGCATGCAAGAAAAAAGAAGACCAAGACCTCAAACACTGGT
CCTGTTCAAAGAAAAAGAAACATGAGGGTTAAAAATCAAAGCTTTCTGATACCTGACAGTGACCCA
GGAAATGGAGGGGACCCTGGAAACATCACCTCATCTACACCGCACTTTGGAGAAATTGCTCTGGGTGCC
CAGTGAGCCCTGTTGGAAAAGGAAACACCAAGCTGGAGAAGCCATCAGCAATTGTGAAGATTTTCTT
TTGCTTTAATCGTTCTGTACTTGGCAGACACTTTGAAATGCGTATGGGAACGTAAGTTGCAGTCCAGAT
CAATCCAGCATAAGTTGCAGAGATGAAATGTCTGAATCACTATAGAATTTACAAGGTGAACCTAAGGTGA
AATGACTGATTTACTATAGAACTTAGAACTAAGACCACACCATCCAACACTACTGTATCCAATGGAACA
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TTATTTTCCATGTCTCTAGGTTGAGAATCTGTCATCTAGAGAATTTGAAATTAAGATTTGGTTAGCTA
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TCTTCAGAATTTAGACAGTGCTAAGGAAAGGAAGATTGGCATTAGGAATCAGTTCTATTTAATACCTTG
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CATGGACGAGCAGCTGGTGCAGTTCAATGTTCTTCTGCTGTGAATTGAATACTGCTCTGGTAGCAGT
TTGGGTCGGTCAAGGCTCAAGGCTGGTTGTGTGGCTGACTACGGATGAGCACTGAAGTTGCCTCAA
AGAATTAAGGGGTGTCCACACCAGCCTCTGGGGTCTTTGGTGTAGTCTTCCAGGTAGAGCTGGTTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_003638.3](#)

Summary:

Integrins are heterodimeric transmembrane receptor proteins that mediate numerous cellular processes including cell adhesion, cytoskeletal rearrangement, and activation of cell signaling pathways. Integrins are composed of alpha and beta subunits. This gene encodes the alpha 8 subunit of the heterodimeric integrin alpha8beta1 protein. The encoded protein is a single-pass type 1 membrane protein that contains multiple FG-GAP repeats. This repeat is predicted to fold into a beta propeller structure. This gene regulates the recruitment of mesenchymal cells into epithelial structures, mediates cell-cell interactions, and regulates neurite outgrowth of sensory and motor neurons. The integrin alpha8beta1 protein thus plays an important role in wound-healing and organogenesis. Mutations in this gene have been associated with renal hypodysplasia/aplasia-1 (RHDA1) and with several animal models of chronic kidney disease. Alternate splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2014]

Locus ID:

8516

MW:

76