

# Recombinant Human ITGB6

**Cat. No.** ITGB6-29868TH    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant full length Human ITGB6 with N terminal proprietary tag. Predicted MW 112.75 kDa.                                                                                      |
| <b>Species</b>                  | Human                                                                                                                                                                              |
| <b>Source</b>                   | Wheat Germ                                                                                                                                                                         |
| <b>ProteinLength</b>            | 788 amino acids                                                                                                                                                                    |
| <b>Description</b>              | Integrin beta-6 is a protein that in humans is encoded by the ITGB6 gene.                                                                                                          |
| <b>Molecular Weight</b>         | 112.750kDa inclusive of tags                                                                                                                                                       |
| <b>Form</b>                     | Liquid                                                                                                                                                                             |
| <b>Purity</b>                   | Proprietary Purification                                                                                                                                                           |
| <b>Storage buffer</b>           | pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl                                                                                                                              |
| <b>Storage</b>                  | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                          |
| <b>Sequences of amino acids</b> | MGIELLCFLFFLGRNDHVQGGCALGGAETCEDCLLIGPQ CAWCAQENFTHPSGV<br>GERCDTPANLLAKGCQLNFIENPVS QVEILKNKPLSVGRQKNSSDIVQIAPQSLILKL<br>RPGGAQT LQVHVRQTEDYPVDLYYLMDLASMDDDLNTIKELGSRLS KEMSKLTS |

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NFRLGFGSFVEKPVSPFVKTTPEEIANPCSSI PYFCLPTFGFKHILPLTND AERFNEIV  
 KNQKISANIDTPE GGFDAIMQAAVCKEKIGWRNDSLHLLVFVSDADSHFGMDS KLA  
 GIVIPNDGLCHLDSKNEYSMSTVLEYPTIGQLIDKLV QNNVLLIFAVTQEQVHLYENY  
 AKLIPGATVGLLQKDSGNI LQLISAYEELRSEVELEVLGDT EGLNLSFTAICNNGTLF  
 QHQKKCSHMKVGDTASF SVTVNIPHCERRSRHIIKPVGL GDALELLVSPECN CDCQ  
 KEVEVNSSKCHHGNGSFQCGVCA CHPGHMGRPRCECGEDMLSTDSCKEAPDHP S  
 CSGRGDCYCG QCICHLSPYGN IYGPYCQCDNFSCVRHKGLLCGGNGDCDC GECV  
 CRSGWTGEYCNC TTSTDSCVSEDGVLCSGRGDCVCG KCVCTNPGASGPTCERC  
 PTCGDPCNSKRSCIECHLSAAGQ AREECVDKCKLAGATISEEEDFSKDGSVSCSLQ  
 GENECLI TFLITTDNEGKTIHSINEKDCPKPPNIPMIMLGVSLAIL LIGVVLLCIWKLLV  
 SFHDRKEVAKFEAERSKAKWQTGTNP LYRGSTSTFKNVTYKHREKQKVDLSTDC

**Sequence  
Similarities**

Belongs to the integrin beta chain family. Contains 1 VWFA domain.

## GENE INFORMATION

**Gene Name** ITGB6 integrin, beta 6 [ Homo sapiens ]

**Official Symbol** ITGB6

**Synonyms** ITGB6; integrin, beta 6; integrin beta-6;

**Gene ID** 3694

**mRNA Refseq** NM\_000888

**Protein Refseq** NP\_000879

**MIM** 147558

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Uniprot ID</b>          | P18564                                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 2q24.2                                                                                                                                                                                                                                                                                                                     |
| <b>Pathway</b>             | Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; |
| <b>Function</b>            | binding; integrin binding; receptor activity;                                                                                                                                                                                                                                                                              |

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