

Recombinant Human integrin subunit beta 6 Protein, His-tagged

Cat. No. ITGB6-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGB6 Protein with C-His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-707 aa
Description	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.
Tag	C-His
Molecular Mass	75.1 kDa
AA Sequence	GCALGGAETCEDCLLIGPQCAWCAQENFTHPSGVGERCDTPANLLAKGCQLNFIEN PVSQVEILKNKPLSVGRQKNSSDIVQIAPQSLILKLRPGGAQTLQVHVRQTEDYPVDL YYLMDLSASMDDDLNTIKELGSRLSKEMSKLTSNFRLGFGSFVEKPVSPFVKTTPEEI ANPCSSIPYFCLPTFGFKHILPLTND AERFNEIVKNQKISANIDTPEGGFDAIMQAAVC KEKIGWRNDSLHLLVFVSDADSHFGMDSKLAGIVIPNDGLCHLDSKNEYSMSTVLEY

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PTIGQLIDKLVQNNVLLIFAVTQEQVHLYENYAKLIPGATVGLLQKDSGNILQLIISAYE
 ELRSEVELEVLGDTEGLNLSFTAICNNGTLFQHQKKCSHMKVGD TASFSVTVNIPHC
 ERRSRHIIKPVGLGDALELLVSPECNCDQCQEVEVNSSKCHHGNGSFQCGVCACH
 PGHMGPRCECGEDMLSTDSCKEAPDHPSCSGRGDCYCGQCICHLSPYGNIGPYC
 QCDNFSCVRHKGLLCGGNGDCDCGECVCRSGWTGEYCNCTTSTDSCVSEDGVLC
 SGRGDCVCGKCVCTNPGASGPTCERCPTCGDPCNSKRSCIECHLSAAGQAREECV
 DKCKLAGATISEEEDFSKDGSVSCSLQGENECLITFLITTDNEGKTIHSINEKDCKP
 PNHHHHHH

Endotoxin < 1.0 EU/μg of the protein by the LAL method.

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1 mg/mL

Storage Buffer Sterile PBS, pH7.4

GENE INFORMATION

Gene Name [ITGB6 integrin subunit beta 6 \[Homo sapiens \(human\) \]](#)

Official Symbol [ITGB6](#)

Synonyms ITGB6; integrin subunit beta 6; AI1H; integrin beta-6; integrin, beta 6

Gene ID [3694](#)

mRNA Refseq [NM_000888](#)

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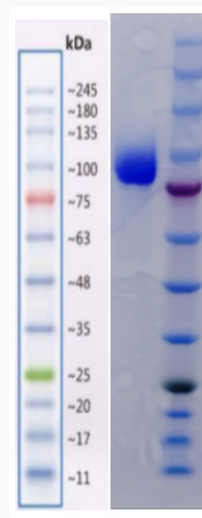
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Protein Refseq [NP_000879](#)

MIM [147558](#)

UniProt ID [P18564](#)

SDS-PAGE



Reducing 4%-20% SDS-PAGE (CBB stained) analysis profile of purified ITGB6.

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