

Recombinant Human ITGA6 Protein

Cat. No. ITGA6-4995H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGA6 full-length ORF (NP_000201.2) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Form	Liquid
Molecular Mass	119.5 kDa
AA Sequence	MAAAGQLCLLYLSAGLLSRLGAAFNLDTREDNVIRKYGDPGSLFGFSLAMHWQLQP EDKRLLLVGAPRAEALPLQRANRTGGLYSCDITARGPCTRIEFDNDADPTSESKEDQ WMGVTVQSQGPGGKVVTCAHRYEKRQHVNTKQESRDIFGRCYVLSQNLRIEDDMD GGDWSFCDGRLRGHEKFGSCQQGVAATFTKDFHYIVFGAPGTYNWKGIVRVEQKN NTFDFDMNIFEDGPYEVGGETEHDLSVPVPANSYLGFSLD SGKGIVSKDEITFVSGA PRANHSGAVVLLKRDMKSAHLLPEHIFDGEGLASSFGYDVAVVDLNKDGWQDIVIGA PQYFDRDGEVGGAVYVYMNQQGRWNNVKPIRLNGTKDSMFGIAVKNIQDINQDGY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDIAVGAPYDDLKGVFIYHGSANGINTKPTQVLKGISPYFGYSIAGNMDLDRNSYPDV
 AVGSLSDSVTIFRSRPVINIQTITVTPNRIDLRQKTACGAPSGICLQVKSCFEYTANP
 AGYNPSISIVGTLEAEKERRKSGLSSRVQFRNQGSEPKYTQELTLKRQKQKVCMEE
 TLWLQDNIRDKLRPIPIITASVEIQEPSSRRRVNSLPEVLPILNSDEPKTAHIDVHFLKE
 GCGDDNVCNSNLKLEYKFCTREGNQDKFSYLPQKGVPELVLKDQKDIALEITVTNS
 PSNPRNPTKDGDDAHEAKLIATFPDTLTYSAYRELRAFPEKQLSCVANQNGSQADC
 ELGNPFKRNSNVTFYLVLTTEVTFDTPDLINLKLETTSNQDNLAPITAKAKVVIALL
 SVSGVAKPSQVYFGGTVVGEQAMKSEDEVGSLIEYEFVRINLGKPLTNLGTATLNIQ
 WPKEISNGKWLlyLVKVESKGLEKVTCEPQKEINSLNLTESHNSRKKREITEKQIDDN
 RKFSLFAERKYQTLNCSVNVNCVNIRCLRGLDSKASLILRSRLWNSTFLEEYSKLNy
 LDILMRAFIDVTAAAENIRLPNAGTQVRVTVFPSKTVAQYSGVPWWILVAILAGILMLA
 LLVFILWKCGFFKRNNKKDHYDATYHKAIEHAQPSDKERLTSDA

Applications

Antibody Production
 Functional Study
 Compound Screening

Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION
Gene Name

ITGA6 integrin, alpha 6 [Homo sapiens]

Official Symbol

ITGA6

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Synonyms	ITGA6; integrin, alpha 6; integrin alpha-6; CD49f; integrin alpha6B; CD49 antigen-like family member F; VLA-6; ITGA6B; FLJ18737; DKFZp686J01244;
Gene ID	3655
mRNA Refseq	NM_000210
Protein Refseq	NP_000201
MIM	147556
UniProt ID	P23229

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