

## Recombinant Human ITGA6 Protein

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

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Human ITGA6 full-length ORF (NP_000201.2) recombinant protein without tag.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | Wheat Germ   |
| <b>Description</b>      | 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] |
| <b>Form</b>             | Liquid   |
| <b>Molecular Mass</b>   | 119.5 kDa  |
| <b>AA Sequence</b>      | <p>MAAAGQLCLLYLSAGLLSRLGAAFNLDTREDNVIRKYGDPSLFGFSLAMHWQLQP<br/> EDKRLLLVGAPRAEALPLQRANRTGGLYSCDITARGPCTRIEFDNDADPTSESKEDQ<br/> WMGVTVQSQQPGGKVVVTCAHRYEKRQHVNTKQESRDIFGRCYVLSQNLRIEDDMD<br/> GGDWSFCDGRLRGHEKFGSCQQGVAATFTKDFHYIVFGAPGTYNWKGIVRVEQKN<br/> NTFFDMNIFEDGPYEVGGETEHDVSLVPVANSYLGFSLDGSGKGVSKDEITFVSGA<br/> PRANHSGAVVLLKRDMKSAHLLPEHIFDGEGLASSFGYDVAVVDLNKDGWQDIVIGA<br/> PQYFDRDGEVGGAVVYVMNQQRWNNVKPIRLNGTKDSMFGIAVKNIQDINQDGY</p>  |

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PDIAVGAPYDDLKGVFIYHGSANGINTKPTQVLKGISPYFGYSIAGNMDLDRNSYPDV  
 AVGSLSDSVTIFRSRPVINIQKTITVTPNRIDLRLQKTACGAPSGICLQVKSCFEYTANP  
 AGYNPSISIVGTLEAEKERRKSGLSSRVQFRNQGSEPKYTQELTLKRQKQKVCMEE  
 TLWLQDNIRDKLRPIPIASVEIQEPSSRRRVNSLPEVLPILNSDEPKTAHIDVHFLKE  
 GCGDDNVCNSNLKLEYKFCTREGNQDKFSYLPQKGVPELVLDQKDIALEITVTNS  
 PSNPRNPTKDGDDAHEAKLIATFPDTLTYSAYRELRAFPEKQLSCVANQNGSQADC  
 ELGNPFKRNSNVTFYLVLSTTEVTFDTPDLINLKLETTSNQDNLAPITAKAKVVIELL  
 SVSGVAKPSQVYFGGTVVGEQAMKSEDEVGSLIEYEFRVINLGKPLTNLGTATLNIQ  
 WPKEISNGKWLlyLVKVESKGLEKVTCEPQKEINSLNLTESHNSRKKREITEKQIDDN  
 RKFSLFAERKYQTLNCSVNVNCVNIRCPLRGLDSKASLILRSRLWNSTFLEEYSKLNy  
 LDILMRAFIDVAAAENIRLPNAGTQVRVTVFPSKTVAQYSGVPWWIILVAILAGILMLA  
 LLVFILWKCGFFKRKNDHYDATYHKAEIHAQPSDKERLTSDA

|                       |  |
|-----------------------|--|
| <b>Applications</b>   | Antibody Production<br>Functional Study<br>Compound Screening                                  |
| <b>Usage</b>          | Heating may cause protein aggregation. Please do not heat this product before electrophoresis. |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                         |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                       |
| <b>Storage Buffer</b> | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.  |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | ITGA6 integrin, alpha 6 [ Homo sapiens ] |
| <b>Official Symbol</b> | ITGA6                                    |



|                       |  |
|-----------------------|--|
| <b>Synonyms</b>       | ITGA6; integrin, alpha 6; integrin alpha-6; CD49f; integrin alpha6B; CD49 antigen-like family member F; VLA-6; ITGA6B; FLJ18737; DKFZp686J01244; |
| <b>Gene ID</b>        | <a href="#">3655</a>   |
| <b>mRNA Refseq</b>    | <a href="#">NM_000210</a>  |
| <b>Protein Refseq</b> | <a href="#">NP_000201</a>  |
| <b>MIM</b>            | <a href="#">147556</a>   |
| <b>UniProt ID</b>     | <a href="#">P23229</a>   |

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