

## Recombinant Human ITGA11 Protein, His tagged

**Cat. No.** ITGA11-001H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ITGA11 Protein with His tag was expressed in Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Phe23-Pro1141 (Leu524Arg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein contains an I domain, is expressed in muscle tissue, dimerizes with beta 1 integrin in vitro, and appears to bind collagen in this form. Therefore, the protein may be involved in attaching muscle tissue to the extracellular matrix. Alternative transcriptional splice variants have been found for this gene, but their biological validity is not determined. |
| <b>Form</b>             | Sterile PBS, pH7.4, 0.1% SKL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 127 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AASequence</b>       | MFNMDTRKPRVIPGSRTAFFGYTVQQHDISGNKWL VVGAPLETNGYQKTGDVYKC<br>PVIHGNCTKLN LGRVTL SNVSRKDNMRLGLSLATNPKDNSFLAC SPLWSHECGSS<br>YYTTGMCSR VNSNFRFSKT VAPALQRCQTYMDIVIVLDGSNSIYPWVEVQHFLINILK<br>KFYIGPGQIQVGVVQYGEDVVHEFHLNDYRSVKDVVEAASHIEQRGGTETRTAFGIE<br>FARSEAFQKGGRKGAKKVMIVITDGESHDSPDLEKVIQQSERDNVTRYAVAVLGY<br>NRRGINPETFLNEIKYIASDPDDKHFFNVTDEAALKDIVDALGDRIFSLEGTKNETSF                                                                                                                                              |

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

GLEMSQTFSSHVEDGVLLGAVGAYDWNGAVLKETSAGKVIPLRESYLKEFPEEL  
 KNHGAYLG YTVTSVSSRQGRVYVAGAPRFNHTGKVLFTMHNNRSLTIHQAMRGQ  
 QIGSYFGSEITSVDIDGDGVTDVLLVGAPMYFNEGRERGKVYVYELRQNRVYNGTL  
 KDSHSYQNARFGSSIASVRDLNQDSYNDVVVGAPLEDNHAGAIYIFHGFRGSILKTP  
 KQRITASELATGLQYFGCSIHGQLDLNEDGLIDLAVGALGNAVILWSRPVVQINASLH  
 FEPSKINIFHRDCKRSGRDATCLAAFLCFTPIFLAPHFQTTTVGIRYNATMDERRYTP  
 RAHLDEGGDRFTNRAVLLSSGQELCERINFHVLDTADYVKPVTFSVEYSLEDPDHG  
 PMLDDGWPTTLRVSPFWNGCNEDEHCVPDLVLDARSDLPAMEYCQRVLRKPAQ  
 DCSAYTLSFDTTVFIESTRQRVAVEATLENRGENAYSTVLNISQSANLQFASLIQED  
 SDGSIECVNEERRLQKQVCNVSYPPFFRAKAKVAFRLDFEFSKSIFLHHLEIELAAGSD  
 SNERDSTKEDNVAPLRFHLKYEADVLFTRSSSLSHYEVKPNSSLERYDGIGPPFSCIF  
 RIQNLGLFPIHGMMMKITIPIATRSGNRLLKLRDLTDEANTSCNIWGNSTEYRPTPVE  
 EDLRRAPQLNHSNSDVVSINCNIRLVPNQEIFHLLGNLWLRSLKALKYKSMKIMVNA  
 ALQRQFHSPFIFREEDPSRQIVFEISKQEDWQVPHHHHHHHH

**Endotoxin** < 1 EU/μg by LAL

**Purity** >80% 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** 0.83 mg/mL by BCA

## GENE INFORMATION

**Gene Name** **ITGA11** integrin subunit alpha 11 [ Homo sapiens (human) ]

**Official Symbol** **ITGA11**

**Synonyms** ITGA11; integrin, alpha 11; integrin alpha-11; HsT18964;

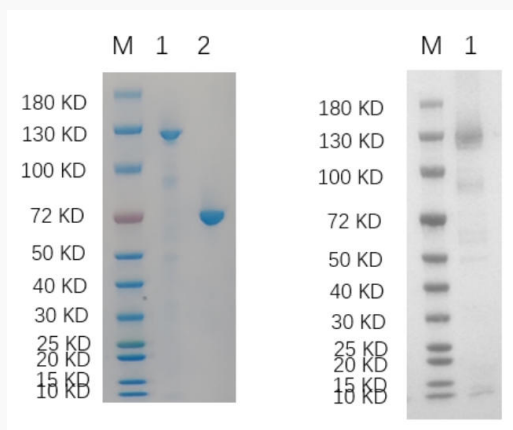
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|                       |              |
|-----------------------|--------------|
| <b>Gene ID</b>        | 22801        |
| <b>mRNA Refseq</b>    | NM_001004439 |
| <b>Protein Refseq</b> | NP_001004439 |
| <b>MIM</b>            | 604789       |
| <b>UniProt ID</b>     | Q9UKX5       |

#### SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified ITGA11. 1. ITGA11: 1 µg 2. BSA: 1 µg

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