

# Human Integrin alpha 6 beta 1 (ITGA6&ITGB1) Heterodimer Protein

Cat. No. ITG-HM461

## Description

<b>Source</b>	Recombinant Human Integrin alpha 6 beta 1 (ITGA6&ITGB1) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Phe24-Gly1012 (ITGA6) acidic tail and Gln21-Asp728 (ITGB1) basic tail.
<b>Accession</b>	P23229-2(ITGA6)&P05556-1(ITGB1)
<b>Molecular Weight</b>	The protein has a predicted MW of 117.9 kDa (ITGA6) and 83.2 kDa (ITGB1). Due to glycosylation, the protein migrates to 140-160 kDa (ITGA6) and 110-150 kDa (ITGB1) under Non reducing (N) condition based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

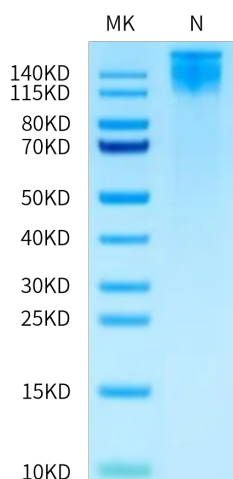
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Integrin alpha-6/beta-1 (ITGA6:ITGB1) is a receptor for laminin on platelets. Integrin alpha-6/beta-1 (ITGA6:ITGB1) is present in oocytes and is involved in sperm-egg fusion. Integrin alpha-6/beta-4 (ITGA6:ITGB4) is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome (By similarity). ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling

## Assay Data

### Tris-Bis PAGE



Human ITGA6&ITGB1 on Tris-Bis PAGE under Non reducing (N) condition. The purity is greater than 95%.