# Human Integrin alpha 10 beta 1 (ITGA10&ITGB1) Heterodimer Protein, Ultra Low Endotoxin

**Cat. No.** ITG-HM110-UL

## Description

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| **Source** | Recombinant Human Integrin alpha 10 beta 1 (ITGA10&ITGB1) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus of ITGA10. |
| | It contains Phe23-Ser1122(ITGA10) acidic tail and Gln21-Asp728(ITGB1) basic tail. |
| **Accession** | O75578-1(ITGA10)&P05556-1(ITGB1) |
| **Molecular Weight** | The protein has a predicted MW of 125.60 kDa (ITGA10) & 83.2 kDa (ITGB1). Due to glycosylation, the protein migrates to 130-160 kDa (ITGA10) and 110-120 kDa (ITGB1) based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 0.01 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |

## Formulation and Storage

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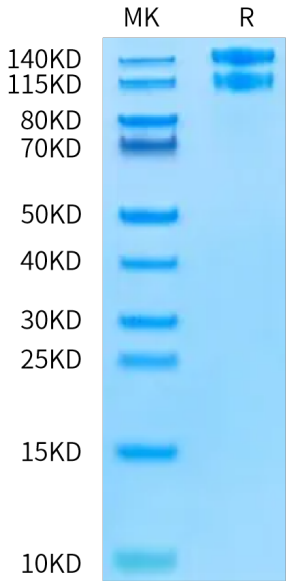
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Alpha 10 beta 1 is currently known as four collagen-binding I domain-containing integrins, the others are namely alpha 1 beta 1, alpha 2 beta 1 and alpha 11 beta 1. α10β1 is likely to be expressed only by a subset of fibroblasts.

## Assay Data

**Bis-Tris PAGE**




Human ITGA10&ITGB1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.