

Human Integrin alpha 10 beta 1 (ITGA10&ITGB1) Heterodimer Protein

Cat. No. ITG-HM110

Description

Source	Recombinant Human Integrin alpha 10 beta 1 (ITGA10&ITGB1) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe23-Ser1122(ITGA10)acidic tail & 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 140-160 kDa (ITGA10) and 100-130 kDa (ITGB1) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 90% as determined by Tris-Bis PAGE

Formulation and Storage

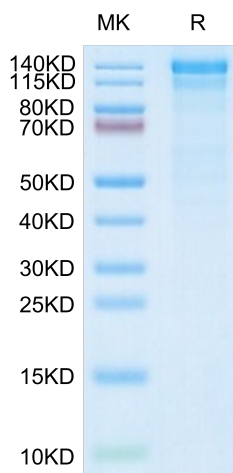
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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. $\alpha 10\beta 1$ is likely to be expressed only by a subset of fibroblasts.

Assay Data

Tris-Bis PAGE



Human ITGA10&ITGB1 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.