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 130-160 kDa (ITGA10) and 110-120 kDa (ITGB1) based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1EU per μg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE

Formulation and Storage

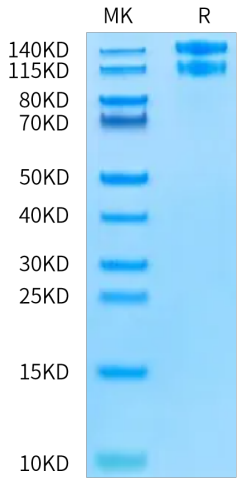
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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%.