

Human Integrin alpha 8 beta 1 (ITGA8&ITGB1) Heterodimer Protein

Cat. No. ITG-HM18B

Description

Source	Recombinant Human Integrin alpha 8 beta 1 (ITGA8&ITGB1) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe39-Leu1012(ITGA8) acidic tail & Gln21-Asp728(ITGB1) basic tail.
Accession	P53708(ITGA8)&P05556-1(ITGB1)
Molecular Weight	The protein has a predicted MW of 113.90 kDa (ITGA8) & 83.2 kDa (ITGB1). Due to glycosylation, the protein migrates to 120-140 kDa (ITGA8) and 100-120 kDa (ITGB1) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

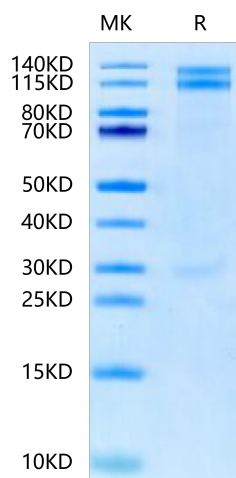
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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

Human Integrin alpha 8 beta 1 is a heterodimeric glycoprotein composed of integrin alpha 8 and integrin beta 1 that mainly expressed in smooth muscle cells. It functions as a receptor for Tenascin, Fibronectin, and Vitronectin and can promote attachment, cell spreading, and neurite outgrowth.

Assay Data

Tris-Bis PAGE



Human ITGA8&ITGB1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.