Integrin alpha 2 beta 1 Protein, Human (HEK293, His)

Cat. No.:	HY-P700752
Synonyms:	α2β1; Integrin alpha A1 beta 1; alpha A1 beta 1; alpha A1; beta 1; ITGA1&ITGB1; ITGA&ITGB; VLA-2, GPIa-IIa, CD49b; Integrin alpha A1 β 1; alpha A1 β 1; β 1
Species:	Human
Source:	HEK293
Accession:	P17301-1 (Y30-T1132)&P05556 (Q21-D728)
Gene ID:	3673&3688
Molecular Weight:	110-140 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Integrin alpha-2/beta-1, also known as ITGA2 Protein, functions as a receptor for various extracellular matrix molecules such as laminin, collagen, collagen C-propeptides, fibronectin, and E-cadherin. Specifically, it recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. This integrin is responsible for mediating the adhesion of platelets and other cells to collagens, as well as modulating the expression of collagen and collagenase genes, generating mechanical forces, and organizing newly synthesized extracellular matrix. Additionally, in the context of microbial infection, the ITGA2:ITGB1 complex acts as a receptor for Human rotavirus A.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA