

ITGB6 Protein, Human (HEK293, His)

Cat. No.:	HY-P700768
Synonyms:	Integrin beta-6; Integrin beta 6; beta 6; Integrin β -6; Integrin β 6; β 6
Species:	Human
Source:	HEK293
Accession:	P18564-1 (G22-N707)
Gene ID:	/
Molecular Weight:	80-115 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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-V:beta-6 (ITGAV:ITGB6) serves as a multifaceted receptor, recognizing the R-G-D sequence in its ligands such as fibronectin and cytotactin. Through clathrin-mediated endocytosis, internalization of integrin alpha-V/beta-6 facilitates carcinoma cell invasion. Furthermore, ITGAV:ITGB6 acts as a receptor for fibrillin-1 (FBN1), mediating R-G-D-dependent cell adhesion to FBN1. This integrin duo also plays a pivotal role in the release of transforming growth factor beta-1 (TGF-beta-1) from the regulatory Latency-associated peptide (LAP), thereby contributing significantly to TGF-beta-1 activation. Notably, in the context of microbial infection, ITGAV:ITGB6 acts as a receptor for Coxsackievirus A9 and Coxsackievirus B1.
------------	--

Caution: Product has not been fully validated for medical applications. For research use only.

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