

Recombinant Human Integrin Beta-1/ITGB1 (C-6His)

Catalog No. PKSH033841

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	Integrin Beta-1;Fibronectin Receptor Subunit Beta;VLA-4 Subunit Beta;CD29;ITGB1;FNRB;MDF2;MSK12
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln21-Asp728
Accession	P05556
Calculated Molecular Weight	79.4 kDa
Observed molecular weight	100-130 kDa
Tag	C-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Integrin β -1 (ITGB1) belongs to the integrin β chain family. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. ITGB1 is an integrin unit associated with very late antigen receptors, which contains one VWFA domain. It is known to conjoin with α -3 subunit to create α 3 β 1 complex that reacts to such molecules as netrin-1 and reelin.

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