

ITGB1 Protein, Human, Recombinant (aa 21-728, His)

General Information

Synonyms:	Integrin Beta-1;VLA-4 Subunit β ;Fibronectin Receptor Subunit Beta;Fibronectin Receptor Subunit β ;CD29;ITGB1;Integrin β -1;VLA-4 Subunit Beta;FN1B;MDF2;MSK12
Protein Construction:	Gln21-Asp728
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P05556
Molecular Weight:	100-130 KDa (reducing condition)
AA Sequence:	Gln21-Asp728

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. Greater than 90% as determined by SEC-HPLC.
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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