Human CellExp™ Integrin alpha 6 beta 1 Heterodimer, Human Recombinant

CATALOG NO:
P1203-10 10 µg
P1203-50 50 µg

ALTERNATE NAMES: Integrin alpha 6 beta 1, ITGA6B1, ITGA6&ITGB1, CD49f, VLA-6

SOURCE: HEK 293 cells Integrin alpha 6 (Phe 24 - Gly 1012) and Integrin beta 1 (Gln 21 - Asp 728)

PURITY: > 90% by SDS – PAGE

MOL. WEIGHT: This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 116.8 kDa (ITGA6) & 83.7 kDa (ITGB1). As a result of glycosylation, the protein migrates as 120-130 kDa under reducing (R) condition, and 100-125 kDa and 130-150 kDa under non-reducing (NR) condition (SDS-PAGE).

ENDOTOXIN LEVEL: < 1.0 EU per 1µg of protein (determined by LAL method)

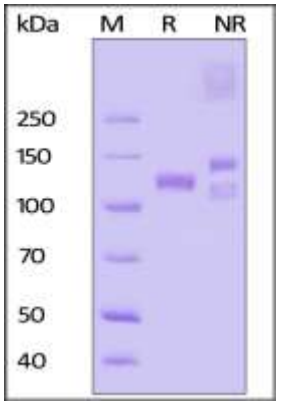
FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month.

DESCRIPTION: Integrin alpha 6 beta 1, also called platelet glycoprotein GPIc-IIa, is a receptor for laminin on platelets. The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. ITGA6 has been shown to interact with TSPAN4 and GIPC1.



Human ITGA6 & ITGB1 Heterodimer Protein on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue.

RELATED PRODUCT:

- Human CellExp™ Integrin alpha V beta 8, Human recombinant **(Cat. No. P1122)**
- Human CellExp™ Integrin alpha V beta 5 Heterodimer, Human recombinant **(Cat. No. P1121)**
- Human CellExp™ Integrin beta-5 Extracellular Domain (ED), Human Recombinant **(Cat. No. P1172)**
- Human CellExp™ CD166/ ALCAM, human recombinant **(Cat. No. 7437-10, -50)**
- Human CellExp™ CD172A / SIRP, human recombinant (**Cat. No. 7506-10, -50)**
- Human CellExp™ CD33 / SIGLEC-3, human recombinant **(Cat. No. 7370-10, -50)**
- Human CellExp™ CD47, human recombinant **(Cat. No. 7385-10, -50)**
- Human CellExp™ CD55/DAF, human recombinant **(Cat. No. 7432-10, -50)**
- Human CellExp™ CD58 /LFA-3, human recombinant **(Cat. No. 7427-10, -50)**
- Human CellExp™ CD62E/E-Selectin, human recombinant **(Cat. No. 7434-20, -100)**
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (**Cat. No. 7279-10, -50**
- Human CellExp™ CD273, human recombinant **(Cat. No. 7369-10, -50)**
- Human CellExp™ CD36, human recombinant **(Cat. No. 7371-10, -50)**
- Human CellExp™ CD87, human recombinant **(Cat. No. 7372-20, -100)**

FOR RESEARCH USE ONLY! Not to be used on humans.