

Recombinant Human ITGA6 & ITGB1 Heterodimer Protein, His-tagged

Cat. No. ITGA6&ITGB1-359H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human ITGA6 & ITGB1 Heterodimer Protein, His-tagged contains Phe 24 - Gly 1012 (Integrin alpha 6, P23229-2) and Gln 21 - Asp 728 (Integrin beta 1, P05556-1) was co-expressed in human 293 cells (HEK293) at ACROBiosystems. Predicted N-terminus: Phe 24 (ITGA6) & Gln 21 (ITGB1). Human ITGA6 & ITGB1 Heterodimer Protein, produced by co-expression of ITGA6 and ITGB1, has a calculated MW of 116.8 kDa (ITGA6) and 83.7 kDa (ITGB1). Subunit ITGA6 is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB1 contains no tag but a basic tail at the C-terminus. The predicted N-terminus is Phe 24 (ITGA6) & Gln 21 (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).

Species	Human
Source	HEK293
ProteinLength	Phe 24 - Gly 1012 (ITGA6) & Gln 21 - Asp 728 (ITGB1)
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	116.8 kDa (ITGA6) & 83.7 kDa (ITGB1)
Endotoxin	Less than 1.0 EU per

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	µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ITGA6 integrin, alpha 6 [Homo sapiens] & ITGB1 integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) [Homo sapiens]
Official Symbol	ITGA6 & ITGB1
Synonyms	ITGA6; integrin, alpha 6; integrin alpha-6; CD49f; VLA-6; ITGA6B; FLJ18737; DKFZp686J01244; & ITGB1; FNRB, MDF2, MSK12; integrin beta-1; CD29; GPIIA; FNRB; MDF2; VLAB; MSK12; VLA-BETA;
Gene ID	3655 & 3688
mRNA Refseq	NM_000210 & NM_002211

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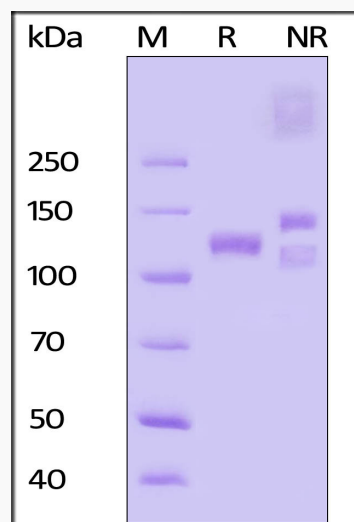
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Protein Refseq NP_000201 & NP_002202

MIM 147556 & 135630

UniProt ID P23229 & P05556



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