

Active Recombinant Mouse ITGA1&ITGB1 protein, His-tagged

Cat. No. ITGA1&ITGB1-0310M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ITGA1&ITGB1 protein(Phe29-Pro1141(ITGA1)&Gln21-Asp728(ITGB1)), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	29-1141;21-728 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Collagen IV at 2 µg/mL (100 µL/well) can bind Mouse ITGA1&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 10-78 ng/mL.
Molecular Mass	The reducing (R) protein migrates as 150-200 kDa (ITGA1) and 90-130 kDa (ITGB1) respectively due to glycosylation.
Proteinlength	Phe29-Pro1141(ITGA1)&Gln21-Asp728(ITGB1)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Itga1 integrin alpha 1 \[Mus musculus \]](#)

Official Symbol [ITGA1](#)

Synonyms ITGA1; integrin alpha 1; integrin alpha-1; VLA-1; laminin and collagen receptor; CD49 antigen-like family member A; Vla1; CD49A; E130012M19Rik;

Gene ID [109700](#)

mRNA Refseq [NM_001033228](#)

Protein Refseq [NP_001028400](#)

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