Active Recombinant Human ITGA3&ITGB1 protein, His-tagged

Cat. No. ITGA3&ITGB1-1566H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA3&ITGB1 protein(Phe33-Glu991(ITGA3)&Gln21-Asp728(ITGB1)), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	33-991;21-728 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human ITGA3&ITGB1 Heterodimer Protein, His Tag&Tag Free at 5 μg/mL (100 μL/well) can bind Human Laminin 511 E8, Fc Tag with a linear range of 0.1-8 ng/mL.
Molecular Mass	Human ITGA3&ITGB1 Heterodimer Protein, His Tag&Tag Free, produced by co-expression of ITGA3 and ITGB1, has a calculated MW of 133.3 kDa (ITGA3) and 83.7 kDa (ITGB1). Subunit ITGA3 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 non-reducing (NR) protein migrates as 125-150 kDa (ITGA3) and 100-110 kDa (ITGB1) respectively due to glycosylation.
Proteinlength	Phe33-Glu991(ITGA3)&Gln21-Asp728(ITGB1)

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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
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	ITGA3 integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) [Homo sapiens]
Official Symbol	ITGA3
Synonyms	ITGA3; integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor); antigen identified by monoclonal J143 , MSK18; integrin alpha-3; CD49c; GAP B3; VCA 2; VLA3a; FRP-2; galactoprotein B3; VLA-3 subunit alpha; CD49 antigen-like family member C; antigen identified by monoclonal J143; very late activation protein 3 receptor, alpha-3 subunit; VL3A; CD49C; GAPB3; MSK18; VCA-2; GAP-B3; FLJ34631; FLJ34704;
Gene ID	3675
mRNA Refseq	NM_002204
Protein Refseq	NP_002195

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MIM	605025
UniProt ID	P26006

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