

Active Recombinant Human ITGAV & ITGB8 Heterodimer Protein, His & Avi-tagged, Biotinylated

Cat. No. ITGAV&ITGB8-367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human ITGAV & ITGB8 Heterodimer Protein, His & Avi-tagged, Biotinylated is expressed from human 293 cells (HEK293). It contains AA Phe 31 - Val 992 (ITGAV) & Glu 43 - Arg 684 (ITGB8) (Accession # NP_002201.1 (ITGAV) & P26012-1 (ITGB8)). Predicted N-terminus: Phe 31 (ITGAV) & Glu 43 (ITGB8). Biotinylated Human ITGAV & ITGB8 Heterodimer Protein, produced by co-expression of ITGAV and ITGB8, has a calculated MW of 114.7 kDa (ITGAV) and 76.5 kDa (ITGB8). Subunit ITGAV is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and an Avi tag and subunit ITGB8 contains no tag but a basic tail at the C-terminus. The reducing (R) protein migrates as 150KDa (ITGAV) and 90 kDa and 110 kDa (ITGB8) respectively due to glycosylation.

Species Human

Source HEK293

ProteinLength Phe 31 - Val 992 (ITGAV) & Glu 43 - Arg 684 (ITGB8)

Form Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, 2mM MgCl₂, pH8.0. Normally trehalose is added as protectant before lyophilization.

Bio-activity Immobilized Human TGFβ1, His Tag at 5 µg/mL (100 µL/well) can bind Recombinant Human ITGAV & ITGB8 Heterodimer Protein, His & Avi-tagged, Biotinylated with a linear range of 5-156 ng/mL (QC tested).

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Molecular Mass	114.7 kDa (ITGAV) & 76.5 kDa (ITGB8)
Endotoxin	Less than 1.0 EU per 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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	ITGAV integrin, alpha V [Homo sapiens] & ITGB8 integrin, beta 8 [Homo sapiens]
Official Symbol	ITGAV & ITGB8
Synonyms	ITGAV; integrin, alpha V; CD51; MSK8; VNRA; VTNR; DKFZp686A08142; & ITGB8; integrin, beta 8; integrin beta-8;
Gene ID	3685 & 3696

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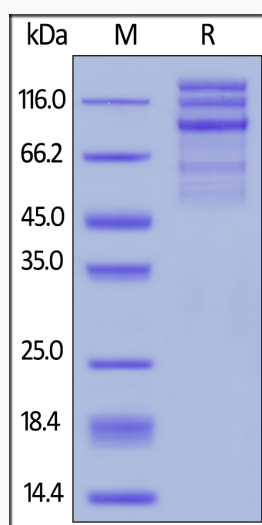
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mRNA Refseq [NM_001144999](#) & [NM_002214](#)

Protein Refseq [NP_001138471](#) & [NP_002205](#)

MIM [193210](#) & [604160](#)

UniProt ID [P06756](#) & [P26012](#)



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