

Recombinant Human ITGA4 & ITGB7 protein, His-Avi-tagged

Cat. No. ITGA4 & ITGB7-890H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Integrin ITGA4&ITGB7 Protein is expressed from mammalian with a His Tag and Avi Tag at the C-terminal. It contains Tyr 34 - Thr 977 (P13612) acidic tail& Glu20-His723 (P26010) basic tail.
Species	Human
Source	HEK293
ProteinLength	It contains Tyr 34 - Thr 977 (P13612) acidic tail& Glu20-His723 (P26010) basic tail.
Description	Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 112.5 kDa (P13612) & 81.3 kDa (P26010). Due to glycosylation, the protein migrates to 70 kDa, 80 kDa and 130-150 kDa & 100-120 kDa based on Bis-Tris PAGE result
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC

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Storage The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

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 ITGA4 integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) [Homo sapiens]

Official Symbol ITGA4; ITGB7

Synonyms Integrin alpha 4 beta 7; beta7; alpha 4;LPAM

Gene ID 3676

mRNA Refseq NM_000885

Protein Refseq NP_000876

MIM 192975

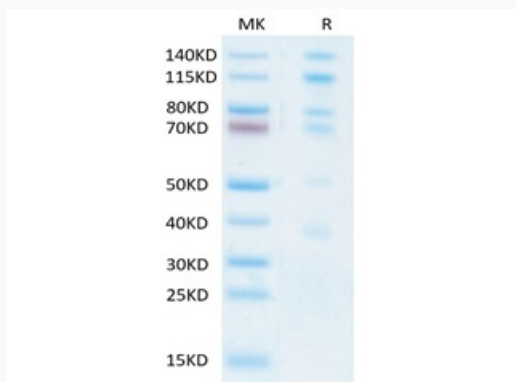
UniProt ID P13612

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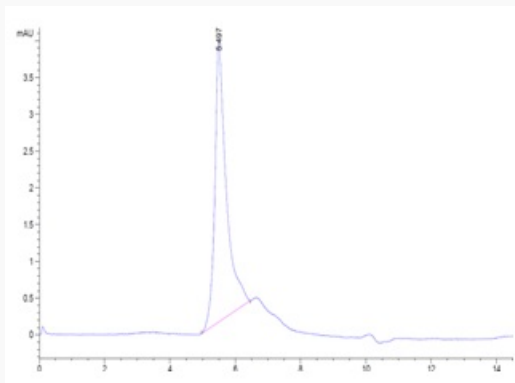
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Tris-Bis PAGE



HPLC data



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