

# Recombinant Human ITGA5 Protein (His Tag)

Catalog Number:PKSH032600



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

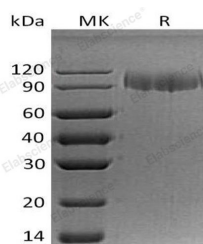
## Description

<b>Synonyms</b>	Integrin Alpha-5;CD49 Antigen-Like Family Member E;Fibronectin Receptor Subunit Alpha;Integrin Alpha-F;VLA-5;CD49e;ITGA5;FNRA
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Phe42-Tyr995
<b>Accession</b>	P08648
<b>Calculated Molecular Weight</b>	105.1 kDa
<b>Observed molecular weight</b>	130 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

Integrin  $\alpha$ -5 belongs to the Integrin  $\alpha$  chain family and contains 7 FG-GAP repeats. Integrin  $\alpha$ -5 joins with Integrin- $\beta$ 1 to form a fibronectin and laminin receptor which recognizes the sequence R-G-D in its ligands. In case of HIV-1 infection; the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. It is expressed on fibroblasts; endothelial cells; peripheral T cells and platelets. Integrin  $\alpha$ -5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains. In addition to adhesion; ITGA5 participates in cell-surface mediated signalling.

## For Research Use Only

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