

[Go to Product page](#)

Datasheet for ABIN7318632 ITGA5 Protein (His tag)

Overview

Quantity:	50 µg
Target:	ITGA5
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ITGA5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ITGA5 Protein (His Tag)(Active)
Sequence:	Phe42-Tyr995
Characteristics:	Recombinant Human Integrin α -5 is produced by our Mammalian expression system and the target gene encoding Phe42-Tyr995 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human NovoNectin(Cat: PKSH032450) at 2µg/ml(100 µl/well) can bind Human ITGA5-His. The ED50 of Human ITGA5-His is 18.9 ug/ml .

Target Details

Target:	ITGA5
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Target Details

Alternative Name:	ITGA5 (ITGA5 Products)
Background:	<p>Background: Integrin α-5 belongs to the Integrin α chain family and contains 7 FG-GAP repeats. Integrin α-5 joins with Integrin-β1 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 α-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.</p> <p>Synonym: Integrin Alpha-5, CD49 Antigen-Like Family Member E, Fibronectin Receptor Subunit Alpha, Integrin Alpha-F, VLA-5, CD49e, ITGA5, FNRA</p>
Molecular Weight:	105.1 kDa
UniProt:	P08648
Pathways:	Integrin Complex

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>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.</p>