

Product Name: Recombinant Human ITGA5 (C-6His)
Catalog #: PHH0960

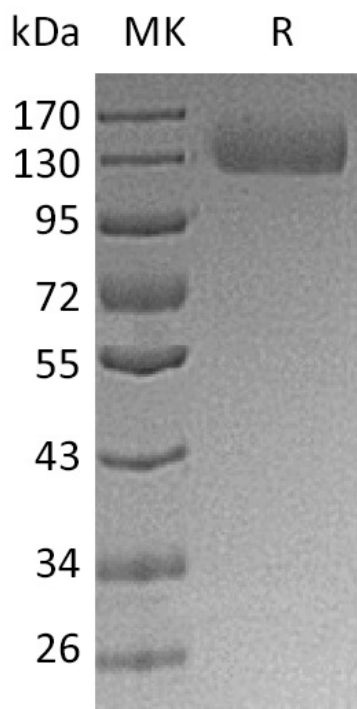


Summary

Name	Integrin alpha-5/CD49e
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P08648
Host	Human Cells
Species	Human
Predicted Molecular Mass	105.11 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Integrin Alpha-5; CD49 Antigen-Like Family Member E; Fibronectin Receptor Subunit Alpha; Integrin Alpha-F; VLA-5; CD49e; ITGA5; FNRA

Background

Integrin α -5 belongs to the Integrin α chain family and contains 7 FG-GAP repeats. Integrin α -5 joins with Integrin- β 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 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.

Note

For Research Use Only , Not for Diagnostic Use.