

Recombinant Human ITGA5 Protein, C-His-tagged

Cat. No. ITGA5-078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA5 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Integrins are α/β heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival. The integrin family contains at least 18 α and 8 β subunits that form 24 known integrins with distinct tissue distribution and overlapping ligand specificities. Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with the extracellular environment (inside-out signaling). Integrin $\alpha 5/\beta 1$ is involved in multiple biological processes including embryonic development, angiogenesis and tumor metastasis. By interaction with its fibronectin ligand, $\alpha 5/\beta 1$ transduces signals that regulate cell adhesion, migration, matrix assembly and cytoskeletal organization.
Molecular Mass	~13 kDa
AA Sequence	PINPKGLELDPEGSLHHQKKREAPSRSSASSGPQILKCPEAECFRLRCELGPLHQQ ESQSLQLHFRVWAKTFLQREHQPFSLQCEAVYKALKMPYRILPRQLPQKERQVATA VQWTKAEGSY
Purity	Transferred into competent cells and the supernatant was purified by NI column

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affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Concentration

≥0.5 mg/mL

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

ITGA5 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Homo sapiens (human)]

Official Symbol

ITGA5

Synonyms

ITGA5; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); FNRA; integrin alpha-5; CD49e; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit; VLA5A;

Gene ID

3678

mRNA Refseq

NM_002205

Protein Refseq

NP_002196

MIM

135620

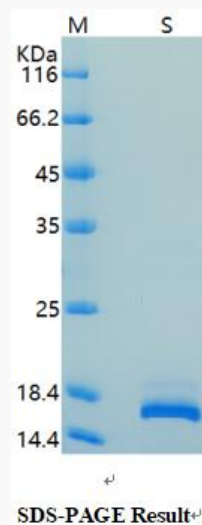
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UniProt ID P08648

SDS-PAGE



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