

Recombinant Human ITGA5 protein, His & GST-tagged

Cat. No. ITGA5-6771H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA5 aa. (Glu895~Ala1049 (Accession # P08648)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu895~Ala1049
Description	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 5 subunit. This subunit associates with the beta 1 subunit to form a fibronectin receptor. This integrin may promote tumor invasion, and higher expression of this gene may be correlated with shorter survival time in lung cancer patients. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 50.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 8.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

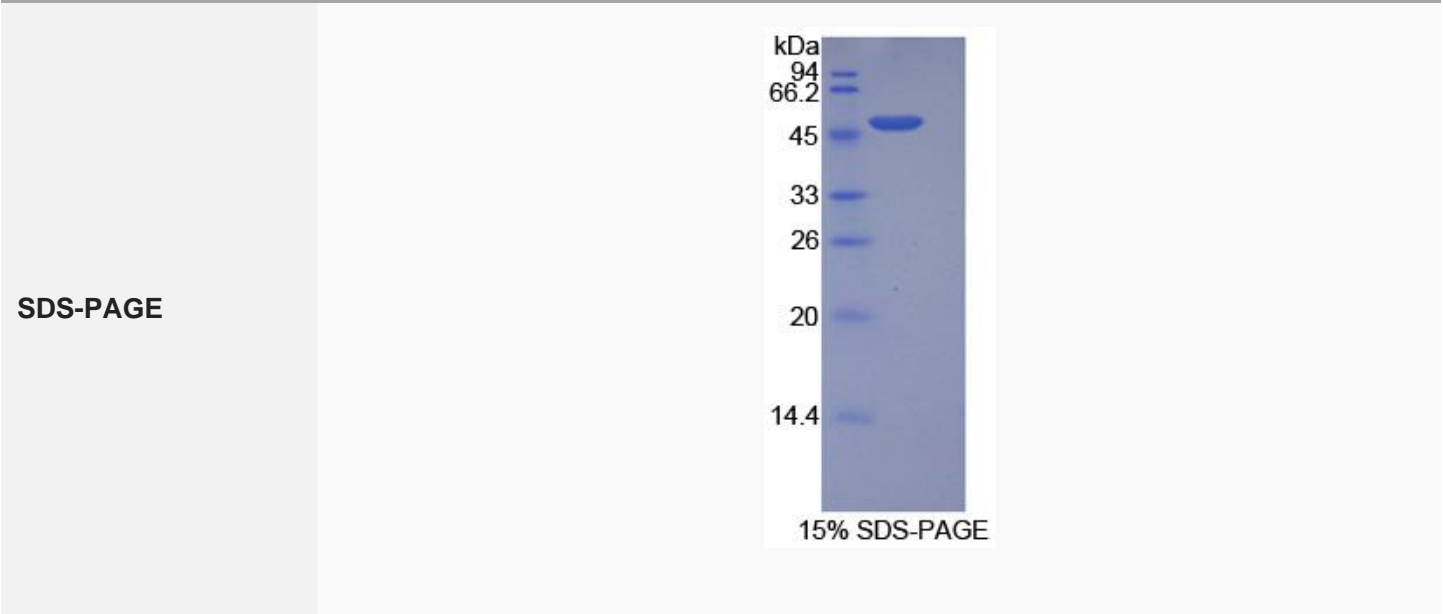
Gene Name	ITGA5 integrin subunit alpha 5 [Homo sapiens (human)]
Official Symbol	ITGA5
Synonyms	FNRA; CD49e; VLA-5; VLA5A; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha polypeptide; fibronectin receptor, alpha subunit; integrin alpha-F; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); very late activation protein 5, alpha subunit; integrin alpha-5

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Gene ID	3678
mRNA Refseq	NM_002205.4
Protein Refseq	NP_002196.4
UniProt ID	P08648



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