

Recombinant Human ITGA5 Protein, GST-tagged

Cat. No. ITGA5-331H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA5(Phe42-Tyr995) fused with GST tag at N-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Phe42-Tyr995
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	Lyophilized from a 0.2 M filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.2.
Molecular Mass	105.1 kDa
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Storage	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
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Concentration	Resuspend the protein to the desired concentration in proper buffer.
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GENE INFORMATION

Gene Name	ITGA5 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Homo sapiens]
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Official Symbol	ITGA5
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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;
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Gene ID	3678
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mRNA Refseq	NM_002205
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Protein Refseq	NP_002196
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MIM	135620
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UniProt ID	P08648
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