

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.
Concentration	Resuspend the protein to the desired concentration in proper buffer.
GENE INFORMATION	
Gene Name	ITGA5 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Homo sapiens]
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
UniProt ID	P08648

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