

Recombinant Human ITGA6 Protein, N-His6ABP tagged

Cat. No. ITGA6-06H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA6 Protein with N-His6ABP (ABP = Albumin Binding Protein derived from Streptococcal Protein G) tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 6 subunit. This subunit may associate with a beta 1 or beta 4 subunit to form an integrin that interacts with extracellular matrix proteins including members of the laminin family. The alpha 6 beta 4 integrin may promote tumorigenesis, while the alpha 6 beta 1 integrin may negatively regulate erbB2/HER2 signaling. Alternative splicing results in multiple transcript variants.
Molecular Mass	32 kDa including tags
AA Sequence	APYDDLKGVFIYHGSANGINTKPTQVLKGISPYFGYSIAGNMDLDRNSYPDVAVGSL SDSVTIFRSRPVINIQTITVTPNRIDLRQKTACGAPSGICLQVKSCFEYTANPAGYNP SISIVGTLEAEKERRKSGLSS
Purity	>80% by SDS-PAGE and Coomassie blue staining

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Applications	Blocking agent and positive assay control using corresponding antibodies.
Notes	Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.
Storage	Upon delivery store at -20 centigrade. Avoid repeated freeze/thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS and 1M Urea, pH 7.4.
Shipping	Shipped in liquid form on wet ice.

GENE INFORMATION

Gene Name	ITGA6 integrin, alpha 6 [Homo sapiens (human)]
Official Symbol	ITGA6
Synonyms	ITGA6; integrin, alpha 6; integrin alpha-6; CD49f; integrin alpha6B; CD49 antigen-like family member F; VLA-6; ITGA6B; FLJ18737; DKFZp686J01244;
Gene ID	3655
mRNA Refseq	NM_000210
Protein Refseq	NP_000201
MIM	147556
UniProt ID	P23229

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