

Active Recombinant Human ITGA6

Cat. No. ITGA6-4110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA6 was expressed in CHO Cells.
Species	Human
Source	CHO
Description	The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Two transcript variants encoding different isoforms have been found for this gene.
Predicted N Terminal	Phe24 (alpha 6) & Asn28 (beta 4)
Formulation	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. When mouse Laminin I is coated at 10 µg/mL, rhIntegrin alpha 6 beta 4 binds with an apparent KD < 5 nM.
Molecular Mass	104 kDa (alpha 6) & 84.8 kDa (beta 4)
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage	12 months from date of receipt, 20 to 70 °C as supplied. Avoid repeated freezethaw cycles.
Reconstitution	Reconstitute at 200 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	ITGA6 integrin, alpha 6 [Homo sapiens (human)]
Official Symbol	ITGA6
Synonyms	ITGA6; integrin, alpha 6; CD49f; VLA-6; ITGA6B; integrin alpha-6; integrin alpha6B; CD49 antigen-like family member F
Gene ID	3655
mRNA Refseq	NM_000210
Protein Refseq	NP_000201
MIM	147556
UniProt ID	P23229
Chromosome Location	2q31.1
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Arf6 trafficking events; Arrhythmogenic right ventricular cardiomyopathy; Assembly of collagen fibrils and other multimeric

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Function	metal ion binding; protein binding
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