Active Recombinant Human ITGA6&ITGB1

Cat. No. ITGA6&ITGB1-608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA6&ITGB1 (Accession # NP_000201 (alpha 6 subunit) & P05556 (beta 1 subunit)) was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
Predicted N Terminal	Phe24 (alpha 6 subunit) & Gln21 predicted: No results obtained, sequencing might be blocked (beta 1 subunit)
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA.When Recombinant Human Laminin alpha 4 is coated at 5 μg/mL, Recombinant Human Integrin alpha 6 beta 1 binds with apparent KD <2nM.
Molecular Mass	Recombinant Human ITGA6&ITGB1 has a calculated MW of 119 kDa (alpha 6 subunit) & 86.4 kDa (beta 1 subunit). In SDS-PAGE migrates as 110-140 kDa & 140 - 170 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3

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	months (-70ºC).

GENE INFORMATION

Gene Name	ITGA6 integrin, alpha 6 [Homo sapiens]
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
Chromosome Location	2q31.1

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