

Recombinant Human ITGA6, GST-tagged

Cat. No. ITGA6-4111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA6 (24 a.a. - 133 a.a.) fused with GST-tag at N-terminal, was expressed in vitro wheat germ expression system.
Species	Human
Source	Wheat Germ
ProteinLength	24 a.a. - 133 a.a.
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.
Molecular Mass	37.84 kDa
AA Sequence	FNLDTREDNVIRKYGDPSLFGFSLAMHWQLQPEDKRLLLVGAPRAEALPLQRANR TGGLYSCDITARGPCTRIE FDNDADPTSESKEDQWMGVTVQSQGPGGKVVTCAH
Purification	Glutathione Sepharose 4 Fast Flow
Applications	ELISA; WB; Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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 structures

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Function	metal ion binding; protein binding
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