

Recombinant Human ITGA1

Cat. No. ITGA1-29494TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Integrin alpha 1 with proprietary tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	109 amino acids
Description	This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding.
Molecular Weight	37.620kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	QFYSSASEYHISIAANETVPEVINSTEDIGNEINIFYLIRKSGSFPMPELKLSISFPNMTS NGYPVLYPTGLSSSENANCRPHIFEDPFSINSGKKMTTSTDHLKRGTI
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Sequence Similarities	Belongs to the integrin alpha chain family.Contains 7 FG-GAP repeats.Contains 1 VWFA domain.
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GENE INFORMATION

Gene Name	ITGA1 integrin, alpha 1 [Homo sapiens]
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Official Symbol	ITGA1
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Synonyms	ITGA1; integrin, alpha 1; integrin alpha-1; CD49a; VLA1;
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Gene ID	3672
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mRNA Refseq	NM_181501
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Protein Refseq	NP_852478
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MIM	192968
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Uniprot ID	P56199
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Chromosome Location	5q11.1
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Pathway	Arf6 trafficking events, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; CHL1 interactions, organism-specific biosystem;
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Function

collagen binding; integrin binding; protein binding; protein heterodimerization activity; receptor activity;

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